

ProCurve Wireless Services xl Module Command Line Reference

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Overview

This chapter describes the commands provided by the CLI.

The CLI commands can be broken down into their respective context groups.

| Command Group | Description | Page |
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Manager Commands

These commands are used to configure the manager commands on the access point.

| Command | Function | Page |
|--|---|-------------|
| acknowledge alarm-log (all <1-65535>) | Acknowledges alarms. | A-9 |
| cd (DIR) | Changes directory. | A-9 |
| clear (alarm-log arp logging wireless-statistics) | Clears cache and reporting logs. | A-10 |
| configure (terminal) | Enters configure context. | A-10 |
| copy FILE URL | Copies from one file to another. | A-11 |
| debug | See "Debugging Commands" on page A-8 listed at end of this table. | |
| diff (FILE URL) (FILE URL) | Displays differences between two files. | A-19 |
| dir (all recursive) (DIR all-filesystems) | Displays list of available files in the system. | A-20 |
| edit FILE | Edits an existing file or creates a new text file. | A-22 |
| erase FILES | Deletes specified file from the system. | A-23 |
| exit | Ends current mode and down to previous mode. | A-23 |
| halt | Halts the wireless module. | A-24 |
| help | Displays help description. | A-24 |
| logout | Terminates the CLI session. | A-25 |
| mkdir DIR | Creates a directory. | A-25 |
| more FILE | Displays the contents of a file. | A-26 |
| [no] page | (Negate) Pauses output to the screen. | A-27 |
| ping WORD | Sends ICMP echo request packets to another node on the network | A-27 |
| pwd | Displays the current directory. | A-28 |
| reload | Performs a cold restart. | A-29 |

| Command | Function | Page |
|--|---|-------------|
| rename FILENAME NEWFILENAME | Renames a file. | A-29 |
| rmdir DIR | Deletes a directory. | A-30 |
| telnet WORD WORD PORT | Opens a telnet connection. | A-31 |
| terminal length width | Sets width and length parameters on a screen. | A-32 |
| upgrade URL | Upgrades the software image. | A-32 |
| upgrade-abort | Aborts an ongoing upgrade. | A-33 |
| write (memory terminal) | Writes running configuration to memory, network, or terminal. | A-33 |
| Debugging Commands | | |
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| [no] debug cc (err warn info all) | (Negate) Traces messages from cellcontroller. | A-12 |
| [no] debug imi (all cli errors init) | (Negate) Generates debugging messages. | A-13 |
| [no] debug logging (all errors monitor subagent) | (Negate) Modifies message logging facilities. | A-13 |
| [no] debug mgmt (all cgi err sys) | (Negate) Traces messages from the management daemon. | A-14 |
| [no] debug nsm (all events kernel packet) | (Negate) Traces network service module (NSM) | A-15 |
| [no] debug pktdrv (debug err info rate-limit warn all) | (Negate) Traces pktdrv (kernel wireless) debugging messages. | A-16 |
| [no] debug pm (all errors init heartbeats proc sys shutdown subagent) | (Negate) Processes monitor debugging messages. | A-16 |
| [no] debug redundancy (all ccmsg config errors general heartbeats init packets proc shutdown states subagent timer warnings) | (Negate) Traces redundancy protocol debugging messages. | A-17 |
| [no] debug upd-server (all autoinstall cli esp shim subagent) | (Negate) Traces update server debugging messages. | A-18 |
| [no] debug wireless-statistics (all error) | (Negate) Traces wireless statistics debugging messages. | A-19 |

acknowledge

This command acknowledges the presence of alarms.

Syntax

acknowledge alarm-log (all | <1-65535>)

- **alarm-log** - Acknowledge the alarm logs.
 - **all** - Acknowledge all alarms.
 - **<1-65535>** - Acknowledge specific alarm ID

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #acknowledge alarm-log 65535  
ProCurve (wireless-services-B) #
```

cd

This command changes the current directory.

Syntax

cd (DIR |)

- **DIR** - Change current directory to DIR.

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #cd  
ProCurve (wireless-services-B) #  
ProCurve (wireless-services-B) #cd TESTDIR  
ProCurve (wireless-services-B) #
```

clear

This command resets specified cache and reporting logs.

Syntax

clear (alarm-log | arp | arp | logging | wireless-statistics)

- **alarm-log (<1-65535> | acknowledged | all | new)**- Clear alarm log.
 - **<1-65535>** - Clear specific alarm id.
 - **acknowledged** - Clear acknowledged alarms.
 - **all** - Clear all alarms.
 - **new**- Clear new alarms.
- **arp** - Clear arp cache.
- **logging** - Modify message logging facilities.
- **wireless-statistics** - Clear all wireless statistics.

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #clear arp
ProCurve (wireless-services-B) #
ProCurve (wireless-services-B) #clear logging
ProCurve (wireless-services-B) #
```

configure

This command enters the configure context.

Syntax

configure (terminal)

- **terminal** - Configure from the terminal (optional).

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B)#configure terminal  
ProCurve (wireless-services-B) (config)#
```

copy

This command copies from one file to another.

Syntax

copy FILE | URL

- **FILE** -File from which to copy.
 - Files:
 - flash: /path/file
 - nvrnram: startup-pconfig
 - system: running-configFilenames are case sensitive and limited to 45 chars.
- **URL** -URL from which to copy.
 - URLs:
 - tftp://<hostname or IP> /path/file
 - ftp://<user>:<passwd>@<hostname or IP> /path/fileFilenames are case sensitive and limited to 45 chars.

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B)#copy ftp://  
ftp:ftp@172.20.15.5/test.conf switch:my.conf  
ProCurve (wireless-services-B)#
```

debug all

This command generates debugging messages for all modules. The no command negates the generation.

Syntax

debug all

Default Setting

N/A

Command Mode

Manager Exec

Example

```
ProCurve (wireless-services-B) #debug all  
ProCurve (wireless-services-B) #
```

debug cc

This command traces cellcontroller (wireless) debugging messages. The no command negates the trace.

Syntax

debug cc (err | warn | info | all)

- **err**- Trace error messages from the cellcontroller. The no version of the command negates the trace.
- **warn**- Trace error and warning messages from the cellcontroller. The no version of the command negates the trace.
- **info** - Trace error, warning, and informational messages from the cellcontroller. The no version of the command negates the trace.
- **all** - Trace all messages from the cellcontroller. The no version of the command negates the trace.

Default Setting

N/A

Command Mode

Manager Exec

Example

```
ProCurve (wireless-services-B) #debug cc err  
ProCurve (wireless-services-B) #
```

debug imi

This command traces integrated management debugging messages. The no command negates the trace.

Syntax

debug imi (all | cli | errors | init)

- **all**- Traces all messages from the integrated management interface. The no version of the command negates the trace.
- **cli**- Trace cli commands to/from the protocol modules. The no version of the command negates the trace.
- **errors** - Trace error messages from the integrated management interface. The no version of the command negates the trace.
- **init** - Trace initialization process from the integrated management interface. The no version of the command negates the trace.

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #debug imi all
ProCurve (wireless-services-B) #
ProCurve (wireless-services-B) #no debug imi all
ProCurve (wireless-services-B) #
```

debug logging

This command modifies message logging facilities. The no command negates the logging.

Syntax

debug logging (all | errors | monitor | subagent)

- **all**- Traces all message logs. The no version of the command negates the trace.
- **errors**- Trace error logs. The no version of the command negates the trace.

- **monitor** - Trace logging to monitors. The no version of the command negates the trace.
- **subagent** - Trace logging to the subagent. The no version of the command negates the trace.

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #debug logging subagent
ProCurve (wireless-services-B) #
ProCurve (wireless-services-B) #debug logging monitor
ProCurve (wireless-services-B) #
```

debug mgmt

This command traces messages from the management daemon. The no command negates the trace.

Syntax

debug mgmt (all | cgi | err | sys)

- **all**- Trace all messages from the management daemon. The no version of the command negates the trace.
- **cgi**- Trace cgi messages from the management daemon. The no version of the command negates the trace.
- **err** - Trace error messages from the management daemon. The no version of the command negates the trace.
- **sys** - Trace system messages from the management daemon. The no version of the command negates the trace.

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #debug mgmt cgi
ProCurve (wireless-services-B) #
ProCurve (wireless-services-B) #no debug mgmt sys
ProCurve (wireless-services-B) #
```

debug nsm

This command traces network service module (NSM). The no command negates the trace.

Syntax

debug nsm (all | events | kernel | packet)

- **all**- Trace all messages from the network service module. The no version of the command negates the trace.
- **events**- Trace events messages from the network service module. The no version of the command negates the trace.
- **kernel** - Trace kernel messages from the network service module.
- **packet (recv | send) (detail |)**- Trace packet messages from the network service module. The no version of the command negates the trace.
 - **detail** - Detailed information display.
 - **recv** - NSM receive packets.
 - + **detail** - Detailed receive packet information display.
 - **send** - NSM send packets.
 - + **detail** - Detailed send packet information display.

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #debug nsm packet recv
ProCurve (wireless-services-B) #
```

debug pktdrv

This command traces pktdrv (kernel wireless) debugging messages. The no command negates the trace.

Syntax

debug pktdrv (debug | err | info | rate-limit | warn | all)

- **debug** - Trace all messages from the pktdrv.
- **err**- Trace error messages from the pktdrv. Default if no parameter is specified.
- **info** - Trace error, warning, and informational messages from the pktdrv.
- **rate-limit** - Trace rate-limiting log messages from the pktdrv.
- **warn**- Trace error and warning messages from the pktdrv.

Default Setting

debug pktdrv err

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #debug pktdrv rate-limit  
ProCurve (wireless-services-B) #
```

debug pm

This command traces process monitor debugging messages. The no command negates the trace.

Syntax

debug pm (all | errors | heartbeats | init | proc | shutdown | subagent | sys)

- **all** - Trace all process monitor messages. The no version of the command negates the trace.
- **errors**- Trace process monitor error messages . The no version of the command negates the trace.
- **heartbeats**- Trace heartbeats process messages. The no version of the command negates the trace.
- **init**- Trace initialization process messages. The no version of the command negates the trace.

- **proc**- Trace process state machine messages. The no version of the command negates the trace.
- **shutdown**- Trace shutdown process messages. The no version of the command negates the trace.
- **subagent**- Trace subagent messages. The no version of the command negates the trace.
- **sys**- Trace system state machine messages. The no version of the command negates the trace.

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #debug pm all
ProCurve (wireless-services-B) #
ProCurve (wireless-services-B) #no debug pm heartbeats
ProCurve (wireless-services-B) #
```

debug redundancy

This command traces redundancy protocol debugging messages. The no command negates the trace.

Syntax

debug redundancy (all | ccmsg | config | errors | general | heartbeats | init | packets | proc | shutdown | states | subagent | timer | warnings)

- **all**- Trace all redundancy debugging messages.
- **ccmsg**- Trace messages exchanged from cc.
- **config** - Trace configuration processing.
- **errors**- Trace error messages.
- **general**- Trace general debugging messages.
- **heartbeats**- Trace heartbeats processing messages.
- **init** - Trace redundancy initialization processing messages.
- **packets**- Trace packet processing messages.
- **proc**- Trace process flow messages.

- **shutdown**- Trace shutdown messages.
- **states**- Trace redundancy state machine messages.
- **subagent** - Trace subagent messages.
- **timer**- Trace timer handling messages.
- **warnings**- Trace warning messages.

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #debug redundancy ccmsg  
ProCurve (wireless-services-B) #
```

debug upd-server

This command traces update server debugging messages. The no command negates the trace.

Syntax

debug upd-server (all | autoinstall | cli | espd | shim | subagent)

- **all**- Trace all update server debugging messages.
- **autoinstall** - Trace auto-install debugging messages from the update sever.
- **cli** - Trace cli messages to/from the update sever.
- **espd** -Trace ESPd messages.
- **shim**- Trace shim debugging messages.
- **subagent** - Trace subagent messages.

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #debug upd-server autoinstall
ProCurve (wireless-services-B) #
ProCurve (wireless-services-B) #no debug upd-server cli
ProCurve (wireless-services-B) #
```

debug wireless-statistics

This command traces wireless statistics debugging messages. The no command negates the trace.

Syntax

debug wireless-statistics (all | error |)

- **all**- Trace all messages from wireless-statistics.
- **error** - Trace error messages from wireless-statistics.

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #debug wireless-statistics
ProCurve (wireless-services-B) #
```

diff

This command displays differences between two files.

Syntax

diff (FILE | URL) (FILE | URL)

- **FILE** -Display the differences between FILE.
 - **FILE** - Display the differences between FILE.
 - **URL** - Display the differences between URL.
- **URL** -Display the differences between URL.
 - **FILE** - Display the differences between FILE.
 - **URL** - Display the differences between URL.

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve(wireless-services-B)#diff TESTFILE TESTFILE2
--- TESTFILE
+++ TESTFILE2
@@ -1 +1 @@
-testing edit, view, and delete file.
+testing edit, erase, and contents of file.
ProCurve(wireless-services-B)#
```

dir

This command displays list of available files on the filesystem.

Syntax

dir (all | recursive |) (DIR | all-filestems |)

- **all** - Display all available files.
- **recursive**- Display recursive files.
- **DIR**- Display list of all available files in the file path.
- **all-filestems** - Display list of all available filesystems.

Default Setting

N/A

Command Mode

Manager

ExampleOne

```
ProCurve(wireless-services-B)# dir all
-----
Directory of flash:/
drwx  1024    Wed Dec  7  17:06:32  2005  hotspot
drwx  1024    Thu Dec  8  09:31:07  2005  crashinfo
drwx   80     Mon Feb 13  09:35:10  2006  log

Directory of nvram:/
-rw-   625    Thu Dec  2  08:53:36  2006  startup-config

Directory of system:/
-rw-                                     running-config

ProCurve(wireless-services-B)#
```

ExampleTwo

```
ProCurve(wireless-services-B)# dir /recursive
-----
Directory of flash:/
drwx  1024    Wed Dec  7  17:06:32  2005  hotspot
drwx  1024    Thu Dec  8  09:31:07  2005  crashinfo
drwx   80     Mon Feb 13  09:35:10  2006  log
Directory of flash:/hotspot
drwx  1024    Wed Feb  1  17:19:19  2006  lib
drwx  1024    Wed Feb  1  17:19:19  2006  cgi-bin
Directory of flash:/hotspot/lib
-rwx  58476   Tue Jan 31  13:12:09  2006  libpthread.so.0
-rwx 1245472  Tue Jan 31  13:12:09  2006  libc.so.6
-rwx  90776   Tue Jan 31  13:12:09  2006  ld-linux.so.2
-rwx  28400   Tue Jan 31  13:12:09  2006  librt.so.1
-rwx 138088   Tue Jan 31  13:12:09  2006  libm.so.6
Directory of flash:/hotspot/cgi-bin
-rwx  18248   Tue Jan 31  13:12:17  2006  hslogin.cgi
-rwx  16296   Tue Jan 31  13:12:18  2006  hslogout.cgi
Directory of flash:/crashinfo
No files in dir flash:/crashinfo
Directory of flash:/log
-rw-    0     Mon Feb 13  09:35:10  2006  messages.log
-rw-  11404   Mon Feb 13  09:35:18  2006  startup.log

ProCurve(wireless-services-B)#
```

edit

This command edits an existing file or creates a new text file.

Syntax

edit FILE

- **FILE** -Name of file to edit or create.

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve(wireless-services-B)#edit TESTFILE

GNU nano 1.2.4                               File: TESTFILE

testing edit, erase, and view file

                                [ New File ]
^G Get Help  ^O WriteOut  ^R Read File  ^Y Prev Page  ^K Cut Text  ^C Cur Pos
^X Exit      ^J Justify    ^W Where Is  ^V Next Page  ^U UnCut Txt ^T To Spell
[PRESS CNTRL X]
-----
Save modified buffer (ANSWERING "No" WILL DESTROY CHANGES) ?Y
  Y Yes
  N No          ^C Cancel
-----
File Name to Write: TESTFILE [PRESS ENTER]
^G Get Help                               M-P Prepend
M-A Append                                ^C Cancel
-----
testing edit, erase, and view file
                                [ Wrote 1 line ]
ProCurve(wireless-services-B)#
```

erase

This command deletes a specified file from the system.

Syntax

erase FILE

- **FILE**- Name of the specified file to be deleted.
 - **FILES:**
 - + flash:/path/file
 - + startup-config - Resets configuration back to factory default.

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve(wireless-services-B)#erase startup-config
Startup config is deleted. Please reload the wireless module
for factory default configuration to take effect.
ProCurve(wireless-services-B)#
ProCurve(wireless-services-B)#erase TESTFILE
ProCurve(wireless-services-B)#
```

exit

This command sets the current command level to the previous command level.

Syntax

exit

Default Setting

N/A

Command Mode

Manager

Example

This example shows how to return to the previous command levels starting from the Manager Configuration mode and finally logging out of the CLI session.

```
ProCurve (wireless-services-B) #exit
ProCurve (config) #exit
ProCurve #exit
ProCurve > exit
Do you want to log out [y/n]? y
Do you want to save your current configuration? n
Connection to host lost.
```

halt

This command halts the wireless module.

Syntax

halt

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #halt
Wireless module will be halted, do you want to continue? y
ProCurve (config) #
```

help

This command provides description of the interactive help system.

Syntax

help

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve(wireless-services-B)#help
CLI provides advanced help feature.  When you need help,
anytime at the command line please press '?'.

If nothing matches, the help list will be empty and you must
backup
until entering a '?' shows the available options.
Two styles of help are provided:
1. Full help is available when you are ready to enter a
   command argument (e.g. 'show ?') and describes each
   possible
   argument.
2. Partial help is provided when an abbreviated argument is
   entered
   and you want to know what arguments match the input
   (e.g. 'show ve?').
```

logout

This command exits from the CLI.

Syntax

logout

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve(wireless-services-B)#logout
Do you want to log out [y/n]? y
ProCurve(config)#
```

mkdir

This command creates a directory.

Syntax

mkdir DIR

- **DIR** - Directory name.

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #mkdir TESTDIR  
ProCurve (wireless-services-B) #
```

more

This command displays the contents of a file.

Syntax

more FILE

- **FILE**- File name.

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #more TESTFILE  
testing edit, erase, and view file  
ProCurve (wireless-services-B) #
```

no

This command series negates a command or sets its defaults. Three main command sets are provided, see the individual command levels for details.

Syntax

no

- **debug** - Debug functions. To access individual debug commands, begin with the basic command “debug all” on page A-11.
- **page** - Toggle paging. See “page” on page A-27.
- **show** - Show commands. To access individual show commands, “debug all” on page A-11.

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #no debug cc  
ProCurve (wireless-services-B) #
```

page

This command enables pausing of output to the screen. The no command disables the pausing of the output.

Syntax

page

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #page  
ProCurve (wireless-services-B) #
```

ping

This command sends ICMP echo request packets to another node on the network.

Syntax

ping WORD

- **WORD** - Hostname or IP address of the host.

Default Setting

N/A

Command Mode

Manager

Command Usage

- Use the ping command to see if another site on the network can be reached.
- The following are some results of the **ping** command:
 - *Normal response* - The normal response occurs in one to ten seconds, depending on network traffic.
 - *Destination does not respond* - If the host does not respond, an error is returned with statistics on the attempted communication.
 - *Destination unreachable* - The gateway for this destination indicates that the destination is unreachable.
 - *Network or host unreachable* - The gateway found no corresponding entry in the route table.

Example

```
ProCurve(wireless-services-B)#ping 10.1.0.9
PING 10.1.0.9 (10.1.0.9): 100 data bytes
108 bytes from 10.1.0.9: icmp_seq=0 ttl=64 time=2.1 ms
108 bytes from 10.1.0.9: icmp_seq=1 ttl=64 time=1.2 ms
108 bytes from 10.1.0.9: icmp_seq=2 ttl=64 time=0.7 ms
108 bytes from 10.1.0.9: icmp_seq=3 ttl=64 time=1.5 ms
108 bytes from 10.1.0.9: icmp_seq=4 ttl=64 time=1.1 ms
--- 10.1.0.9 ping statistics ---
5 packets transmitted, 5 packets received, 0% packet loss
round-trip min/avg/max = 0.7/1.3/2.1 ms
ProCurve(wireless-services-B)#
```

pwd

This command displays the current directory.

Syntax

pwd

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #pwd
flash:/
ProCurve (wireless-services-B) #
```

reload

This command halts and performs a warm reboot.

Syntax

reload

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #reload
Wireless module will be rebooted, do you want to continue?
(y/n): y
Do you want to save current configuration? (y/n):y
ProCurve (config) #
```

rename

This command renames a file.

Syntax

rename FILE

- **FILE** - File to be renamed.
 - FILE - New file name.

Default Setting

N/A

Command Mode

Manager

Example

To validate the name change, use the DIR command.

```
ProCurve(wireless-services-B)#rename TESTFILE3 TESTFILE2
ProCurve(wireless-services-B)#
ProCurve(wireless-services-B)#dir
Directory of flash:/

  drwx   1024      Tue Oct  1 00:14:16 2002  hotspot
  drwx   1024      Thu Feb 16 15:37:09 2006  crashinfo
  drwx    80       Fri Feb 17 12:48:10 2006  log
  drwx   1024      Fri Feb 17 09:48:19 2006  TESTDIR
  -rw-   43       Fri Feb 17 10:19:52 2006  TESTFILE2
  -rw-   37       Fri Feb 17 10:20:47 2006  TESTFILE

ProCurve(wireless-services-B)#
```

rmdir

This command deletes a directory.

Syntax

rmdir DIR

- **DIR** - Directory to be deleted.

Default Setting

N/A

Command Mode

Manager

Example

To validate the directory is deleted, use the DIR command.

```
ProCurve (wireless-services-B)#rmdir TESTDIR
ProCurve (wireless-services-B)#
ProCurve (wireless-services-B)#dir
Directory of flash:/

  drwx   1024      Tue Oct  1 00:14:16 2002   hotspot
  drwx   1024      Thu Feb 16 15:37:09 2006   crashinfo
  drwx    80       Fri Feb 17 12:48:10 2006   log
  -rw-   43       Fri Feb 17 10:19:52 2006   TESTFILE2
  -rw-   37       Fri Feb 17 10:20:47 2006   TESTFILE

ProCurve (wireless-services-B)#
```

telnet

This command opens a telnet connection.

Syntax

telnet WORD

- **WORD** - IP address or hostname of a remote system.
 - **PORT** - TCP Port number.

Default Setting

N/A

Command Mode

Manager

Example

This example displays an incomplete route telnet message.

```
ProCurve (wireless-services-B)#telnet 10.1.0.9 23
telnet: Unable to connect to remote host (10.1.0.9): No
route to host
ProCurve (wireless-services-B)#
```

terminal

This command sets terminal line parameters.

Syntax

terminal length | width

- **length** - Set number of lines on a screen.
 - <2-1000> - Number of lines on a screen.
- **width** - Set width of display terminal.
 - <61-1920> - Number of characters on a screen line.

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #terminal length 1000
ProCurve (wireless-services-B) #
ProCurve (wireless-services-B) #terminal width 1900
ProCurve (wireless-services-B) #
```

upgrade

This command upgrades the software image.

Syntax

upgrade URL

- **URL** - Location of firmware image.
 - URLs: ftp://<hostname or IP>/path/file
ftp://<user>:<passwd>@<hostname or IP>/path/file

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #upgrade tftp://192.168.1.10/  
WS.00.01.img  
ProCurve (wireless-services-B) #
```

upgrade-abort

This command aborts an ongoing upgrade.

Syntax

upgrade-abort

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #upgrade-abort  
ProCurve (wireless-services-B) #
```

write

This command writes the running configuration to memory or terminal.

Syntax

write memory | terminal

- **memory** - Write to NV memory.
- **terminal** - Write to terminal.

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve(wireless-services-B)#write terminal
!
! configuration of ProCurveWLANModule Wireless Services
version WS.01.XX.0551Sw6
!
version 1.0
!
ip web-management
snmp-server manager v2
snmp-server manager v3
snmp-server user manager v3 encrypted auth md5
0x709f649df8ba589f178416c291fcba0
snmp-server user operator v3 encrypted auth md5
0x777da3446d4dcea9e722cfaa520021
!
wireless
  no country-code
!
interface vlan1
  ip address dhcp
!
end

ProCurve(wireless-services-B)#
```

Global Commands

These commands are used to configure the global commands.

| Command | Function | Page |
|--------------------------|--|-------|
| boot | Reboots wireless module. | A-36 |
| country-code | Configures the country code. | A-36 |
| crypto | Encryption related commands. | A-38 |
| end | Ends current mode and changes back to Manager mode. | A-38 |
| enrollment | Enrollment parameters. | A-39 |
| <i>exit</i> | <i>Detailed in Manager Command Section.</i> | A-23 |
| [no] fallback | (Negates) Configures software fallback commands. | A-39 |
| <i>help</i> | <i>Detailed in Manager Command Section</i> | A-24 |
| [no] hostname | (Negates) Sets system's network name. | A-40 |
| [no] interface | (Negates) Selects an interface to configure. | A-40 |
| [no] ip | (Negates) Interface protocol. | A-41 |
| licenses | Licensing commands. | A-42 |
| [no] logging | (Negates) Modify message logging facilities. | A-43 |
| <i>logout</i> | <i>Detailed in Manager Command Section</i> | A-25 |
| [no] password-encryption | (Negates) Encrypts passwords in configuration. | A-44 |
| [no] redundancy | (Negates) Configures redundancy group parameters. | A-45 |
| <i>show</i> | <i>Detailed in Show Command Section</i> | A-83 |
| [no] snmp-server | (Negates) Modify SNMP server parameters. | A-47 |
| [no] snmp | (Negates) Configures Simple NTP. | A-51 |
| <i>support</i> | <i>Detailed in Support Command Section</i> | A-131 |
| time | Configures software system clock. | A-51 |
| [no] timezone | (Negates) Configures the timezone. | A-52 |
| [no] upd-server | (Negates) Configures autoinstall update server parameters. | A-53 |
| wireless | Configures wireless parameters. | A-54 |

boot

This command reboots the wireless module.

Syntax

boot flash (primary | secondary)

- **flash** - Specifies the boot image to use after reboot.
 - **primary** - Primary image.
 - **secondary** - Secondary image.

Default Setting

N/A

Command Mode

Global Configuration

Example

```
ProCurve(wireless-services-B)#configure
ProCurve(wireless-services-B)(config)#boot flash primary
Wireless module will be rebooted, do you want to continue?
(y/n): y
Do you want to save current configuration? (y/n):n
ProCurve(config)#
```

country-code

This command configures the country of operation. All existing radio configuration will be erased.

Syntax

country <country_code>

- **country_code** - A two character code that identifies the country of operation. See Table A-1 on page A-37 for a full list of the codes.

Table A-1. Country Codes

| Country | Code | Country | Code | Country | Code |
|----------------------|------|---------------|------|-----------------|------|
| United Arab Emirates | ae | Greece | gr | Norway | no |
| Argentina | ar | Hong Kong | hk | New Zealand | nz |
| Austria | at | Croatia | hr | Oman | om |
| Australia | au | Hungary | hu | Peru | pe |
| Belgium | be | Indonesia | id | Philippines | ph |
| Bulgaria | bg | Ireland | ie | Poland | pl |
| Bahrain | bh | Israel | il | Portugal | pt |
| Brazil | br | India | in | Qatar | qa |
| Belarus | by | Iceland | is | Romania | ro |
| Canada | ca | Italy | it | Russia | ru |
| Switzerland | ch | Jordan | jo | Saudi Arabia | sa |
| Chile | cl | Japan | jp | Sweden | se |
| China | cn | South Korea | kr | Singapore | sg |
| Colombia | co | Kuwait | kw | Slovenia | si |
| Costa Rica | cr | Kazakhstan | kz | Slovak Republic | sk |
| Cyprus | cy | Liechtenstein | li | Thailand | th |
| Czech Republic | cz | Sri Lanka | lk | Turkey | tr |
| Germany | de | Lithuania | lt | Taiwan | tw |
| Denmark | dk | Luxembourg | lu | Ukraine | ua |
| Ecuador | ec | Latvia | lv | United Kingdom | uk |
| Estonia | ee | Morocco | ma | United States | us |
| Egypt | eg | Malta | mt | Uruguay | uy |
| Spain | es | Mexico | mx | Venezuela | ve |
| Finland | fi | Malaysia | my | Vietnam | vn |
| France | fr | Netherlands | nl | South Africa | za |

Default Setting

No country code set

Command Mode

Global Configuration

Example

```
ProCurve (wireless-services-B) #configure
ProCurve (wireless-services-B) (config) #country-code us
ProCurve (wireless-services-B) (config) #
```

crypto

This command configures encryption related parameters.

Syntax

crypto pki (enroll | trustpoint)

- **crypto pki** - Configures public key infrastructure commands.
 - **enroll** - Request a certificate from a CA.
 - + local - CA server name.
 - **trustpoint**- Define a CA trustpoint.
 - + local - CA server name.

Default Setting

N/A

Command Mode

Global Configuration

Example

```
ProCurve (wireless-services-B) #configure  
ProCurve (wireless-services-B) (config) #crypto pki trustpoint  
local  
ProCurve (wireless-services-B) (config) #
```

end

This command ends the current mode and changes to the Manager mode.

Syntax

end

Default Setting

N/A

Command Mode

Global Configuration

Example

```
ProCurve (wireless-services-B) #configure
ProCurve (wireless-services-B) (config) #end
ProCurve (wireless-services-B) #
```

enrollment

This command configures enrollment related parameters.

Syntax

enrollment (selfsigned)

- **selfsigned** - Generates a self signed certificate.

Default Setting

N/A

Command Mode

Global Configuration

Example

```
ProCurve (wireless-services-B) #configure
ProCurve (wireless-services-B) (config) #enrollment selfsigned
ProCurve (wireless-services-B) (config) #
```

fallback

This command configures software fallback feature. The no command negates the enabling of the fallback feature.

Syntax

fallback (enable)

no fallback (enable)

- **enable** - Enables software fallback feature. Failure to boot with configured "use on boot" image allows booting with other image. No command disables the fallback feature.

Default Setting

Enabled

Command Mode

Global Configuration

Example

```
ProCurve (wireless-services-B) #configure
ProCurve (wireless-services-B) (config) #no fallback enable
ProCurve (wireless-services-B) (config) #
```

hostname

This command sets the system's network name. The no command negates this configuration.

Syntax

hostname (LINE)

no hostname

- **LINE** - The system's network name.
(Maximum viewable length: 55 alphanumeric characters)

Default Setting

Wireless Services

Command Mode

Global Configuration

Example

```
ProCurve (wireless-services-B) #configure
ProCurve (wireless-services-B) (config) #hostname EXHOSTNAME
ProCurve (wireless-services-B) (config) #
```

Related Commands

show hostname (page A-88)

interface

This command configures a specified interface. The no command negates this configuration. This section does not detail the commands in the interface context, refer to the Interface Command Section on page A-55.

Syntax

interface (IFNAME)

no interfaces

- **IFNAME** - Specifies interfaces (vlan1 - vlan4094).

Default Setting

N/A

Command Mode

Global Configuration

Example

```
ProCurve (wireless-services-B) #configure
ProCurve (wireless-services-B) (config) #interface vlan1
ProCurve (wireless-services-B) (config-if) #
```

ip (global)

This command configures ip parameters. The no command negates this configuration.

Syntax

ip (default-gateway | dns | dns-lookup | domain | route | routing | web-management)

no ip

- **default-gateway** - Configures a default gateway.
 - **A.B.C.D** - IP gateway address.
- **dns** - Adds a Nameserver to the DNS.
 - **A.B.C.D** - IP address of the Nameserver to add.
- **dns-lookup** - Enables Domain Name Service (DNS).
- **domain** - Sets default domain for DNS.
 - **WORD** - Domain string (e.g. company.com).
- **route** - Establishes static routes.
 - **A.B.C.D** - IP destination prefix.
 - + **A.B.C.D** - IP destination prefix mask.
 - + **A.B.C.D** - IP gateway address.
 - **A.B.C.D/M** - IP destination prefix.(e.g. 10.0.0.0/8)
 - + **A.B.C.D** - IP gateway address.

- **routing** - Turns on IP routing.
- **web-management** - Configures web server.

Default Setting

N/A

Command Mode

Global Configuration

Example

```
ProCurve (wireless-services-B) #configure
ProCurve (wireless-services-B) (config) #ip route 10.0.0.1/4
255.255.255.0
ProCurve (wireless-services-B) (config) #ip routing
ProCurve (wireless-services-B) (config) #ip web-management
ProCurve (wireless-services-B) (config) #
```

Related Commands

show ip (page A-89)

licenses

This command configures licensing parameters.

Syntax

licenses (hardware-id | install | uninstall)

- **hardware-id** - Generates a hardware ID for license registration purposes.
 - **radio-ports** - Feature group.
- **install** - Installs the specified license key.
 - **radio-ports** - Feature group.
 - + **WORD** - License key: 44 byte char string encrypted with hardware ID.
- **uninstall** - Uninstall a set of licenses previously installed on the blade.
 - **radio-ports** - Feature group.
 - + **<0-10000>** - Value of the license to be uninstalled (e.g. number of radio ports).

Default Setting

N/A

Command Mode

Global Configuration

Example

```
ProCurve (wireless-services-B) #configure
ProCurve (wireless-services-B) (config) #licenses hardware-id
radio-ports
The hardware Id for package radio-ports is
SG528WC011-H-EXAMPLE-8KJKPT6-T67XT6P-3GT8QJ9
ProCurve (wireless-services-B) (config) #
```

Related Commands

show licenses (page A-91)

logging

This command modifies message logging facilities. The no command negates the logging configuration.

Syntax

logging (aggregation-time | buffered | console | facility | host | monitor | on | trap)

no logging

- **aggregation-time** - Sets number of seconds for aggregating repeated messages.
 - **<1-60>** - Aggregation time in seconds.

The following four commands share the logging level severity and lists.

- **buffered** - Sets buffered logging level.
- **console** - Sets console logging level.
- **monitor** - Sets terminal lines logging level.
- **trap** - Sets syslog servers logging level.
 - **<0-7>** - Logging severity level.
 - **alerts** - Immediate action needed (severity=1).
 - **critical** - Critical conditions (severity=2).
 - **debugging** - Debugging messages (severity=3).
 - **emergencies** - System is unusable (severity=0).
 - **errors** - Error conditions (severity=3).
 - **informational** - Informational messages (severity=6).
 - **notifications** - Normal but significant conditions (severity=5).
 - **warnings** - Warning conditions (severity=4).

- **facility** - Sets syslog facility in which log messages are sent.
 - **local0** - Syslog facility local0.
 - **local1** - Syslog facility local1.
 - **local2** - Syslog facility local2.
 - **local3** - Syslog facility local3.
 - **local4** - Syslog facility local4.
 - **local5** - Syslog facility local5.
 - **local6** - Syslog facility local6.
 - **local7** - Syslog facility local7.
- **host** - Configures remote host to receive log messages.
 - **A.B.C.D** - Remote host's IP address.
- **on** - Enables logging of system messages.

Default Setting

N/A

Command Mode

Global Configuration

Example

```
ProCurve (wireless-services-B) #configure
ProCurve (wireless-services-B) (config) #logging facility
local0
ProCurve (wireless-services-B) (config) #logging buffered
alerts
ProCurve (wireless-services-B) (config) #
```

Related Commands

show logging (page A-91)

password-encryption

This command encrypts passwords in configuration. The no command negates the encryption.

Syntax

password-encryption (secret)

no password-encryption

- **secret** - Encrypts passwords with secret phrase.
 - **2** - Type of encryption SHA256-AES256.
 - **+LINE** - Passphrase for encryption.

Default Setting

Disabled

Command Mode

Global Configuration

Example

```
ProCurve (wireless-services-B) #configure
ProCurve (wireless-services-B) (config) #password-encryption
secret 2 pass
ProCurve (wireless-services-B) (config) #
```

Related Commands

show password-encryption (page A-92)

redundancy

This command configures redundancy group parameters. The no negates the configuration.

Syntax

redundancy (discovery-period | enable | group-id | handle-stp | heartbeat-period | hold-period | interface-ip | member-ip | mode)

no redundancy

- **discovery-period** - Sets the redundancy discovery interval.
 - **<10-60>** - Discovery time in secs (default is 30).
- **enable** - Enable redundancy protocol.
- **group-id** - Sets the redundancy group ID.
 - **<1-65535>** - Redundancy group ID.
- **handle-stp** - Delays the redundancy protocol state machine exec, considering STP.
 - **enable** - Sets handle-stp to true.
- **heartbeat-period** - Sets the redundancy heartbeat interval.
 - **<1-255>** - Heartbeat interval in secs (default is 5).
- **hold-period** - Sets the redundancy hold interval.
 - **<10-255>** - Hold interval in secs (default is 15).
- **interface-ip** - Sets redundancy interface IP address.
 - **<A.B.C.D>** - IP address of the wireless module.

- **member-ip** - Adds member to this redundancy group.
 - **<A.B.C.D>** - IP address of the member.
- **mode** - Sets the redundancy mode.
 - **active** - Mode can be active.
 - **standby** - Mode can be standby.

Default Setting

Disabled

Command Mode

Global Configuration

Example

```
ProCurve (wireless-services-B) #configure
ProCurve (wireless-services-B) (config) #redundancy interface-
ip 10.10.1.20
ProCurve (wireless-services-B) (config) #redundancy member-ip
10.10.1.21
ProCurve (wireless-services-B) (config) #redundancy mode active
ProCurve (wireless-services-B) (config) #redundancy hold-period
20
ProCurve (wireless-services-B) (config) #redundancy group-id 50
ProCurve (wireless-services-B) (config) #redundancy handle-stp
enable
ProCurve (wireless-services-B) (config) #redundancy discovery-
period 10
ProCurve (wireless-services-B) (config) #redundancy hold-period
10
ProCurve (wireless-services-B) (config) #
```

Related Commands

show redundancy (page A-93)

snmp-server

This command modifies the snmp-server parameters. Use the **no** form to remove the specified snmp-server parameters.

Syntax

snmp-server (community | contact | enable | host | location | manager | user)
no snmp-server

- **community** - Sets community string and access privileges.
 - **WORD** - SNMP community string. (private | public)
 - +**restricted** - Read-only access with this community string.
 - +**unrestricted** - Read-write access with this community string.
- **contact** - Text for MIB object sysContact.
 - **LINE** - Identification of the contact person for this managed node.
- **enable** - Enables SNMP traps.
 - **TRAPS** - Enable SNMP traps.
 - +**cluster** - Enable cluster traps.
 - +**miscellaneous** - Enable miscellaneous traps.
 - lowFsSpace** - Available file system space is lower than the limit.
 - processMaxRestartsReached** - Process has reached max restart.
 - +**nsm** - Enable nsm traps.
 - **dhcpIPChanged** - DHCP IP changed.
 - +**snmp** - Enable SNMP traps.
 - authentication** - Enable authentication trap.
 - coldstart** - Enable coldStart trap.
 - linkdown** - Enable linkDown trap.
 - linkup** - Enable linkUp trap.
 - +**upd-server** - Enable upd-server traps.
 - autoInstallInitiated** - Autoinstall request.
 - cfgCkSumMismatch** - Config checksum mismatch.
 - updSvrUnreachable** - Update server unreachable.
 - +**wireless** - Enable wireless traps.
 - ap-detection** - Enable wireless AP detection traps.
 - ++**externalAPDetected** - External AP detected.

- ids** - Enable wireless IDS traps.
 - ++**excessiveAuthAssociation** - Excessive association authentication.
 - ++**excessiveProbes** - Excessive probes.
- radio** - Enable wireless radio traps.
 - ++**adopted** - Radio adopted.
 - ++**detectedRadar** - Radio detected radar.
 - ++**unadopted** - Radio unadopted.
- self-healing** - Enable self healing traps.
 - ++**activated** - Self healing activated.
- station** - Enable wireless station traps.
 - ++**associated** - Wireless station associated.
 - ++**deniedAssociationAsPortCapacityReached** - Wireless station denied association due to port capacity reached.
 - ++**deniedAssociationOnCapability** - Wireless station denied association due to unsupported capability.
 - ++**deniedAssociationOnErr** - Wireless station denied association due to internal error.
 - ++**deniedAssociationOnInvalidWPAWPA2IE** - Wireless station denied association due to invalid/absent WPA/WPA2 IE
 - ++**deniedAssociationOnRates** - Wireless station denied association due to incompatible transmission rates.
 - ++**deniedAssociationOnSSID** - Wireless station denied association due to invalid SSID.
 - ++**deniedAssociationOnShortPream** - Wireless station denied association due to lack of short preamble support.
 - ++**deniedAssociationOnSpectrum** - Wireless station denied association due to lack of spectrum management capability.
 - ++**deniedAuthentication** - Wireless station denied 802.11 authentication.
 - ++**disassociated** - Wireless station disassociated.
 - ++**radiusAuthFailed** - Wireless station failed radius authentication.
 - ++**tkipCounterMeasures** - TKIP counter measures invoked.
- + **wireless-statistics** - Enable wireless-stats rate traps.
 - **min-packets** - Minimum packets for sending the trap.
 - ++<1-65535> - Number of packets in the range <1-65535>.

The following three commands share the rate parameters.

- **radio** - Modify radio rate traps.
- **station** - Modify station rate traps.
- **wlan** - Modify wlan rate traps.
 - ++**avg-bit-speed-less-than** - Average bit speed in Mbps is less than.
 - ++**avg-retry-greater-than** - Average retry is greater than.
 - ++**avg-signal-less-than** - Average signal in dBm is less than.
 - ++**gave-up-percent-greater-than** - Percentage of pkts dropped is greater than.
 - ++**nu-percent-greater-than** - Percentage of non-unicast pkts is greater than.
 - ++**num-stations-greater-than** - Number of associated station is greater than.
 - ++**pktsps-greater-than** - Packets per second is greater than.
 - ++**tput-greater-than** - Throughput in Mbps is greater than.
 - ++**undecrypt-percent-greater-than** - Percentage of undecryptable pkts is greater than.
- **wireless-module** - Modify wireless-module rate traps.
 - ++**num-stations-greater-than** - Number of associated station is greater than.
 - ++**pktsps-greater-than** - Packets per second is greater than.
 - ++**tput-greater-than** - Throughput in Mbps is greater than.
- **host** - SNMP server host.
 - **A.B.C.D** - SNMP server host IP address.
- **location** - Text for MIB object sysLocation.
- **manager** - Enable SNMP manager.
 - **all** - Enable SNMP version v2 and v3.
 - **v2** - Enable SNMP version v2.
 - **v3** - Enable SNMP version v3.
- **user** - Defines a user who can access SNMP engine.
 - **manager** - Manager user.
 - +**v3** - User using v3 security model.
 - **auth** - Authentication parameters for the user.
 - ++**md5** - Use HMAC MD5 algorithm for authentication.
 - **PASSWD** - Authentication password for user.

- **encrypted** - Specifying password as md5 digests.
- ++**auth** - Authentication parameters for the user.
- **-md5** - Use HMAC MD5 algorithm for authentication
- +++**PASSWD** - Authentication password for user.
- **operator** - Operator user.
- +**v3** - User using v3 security model.
- **auth** - Authentication parameters for the user.
- ++**md5** - Use HMAC MD5 algorithm for authentication.
- PASSWD** - Authentication password for user.
- **encrypted** - Specifying password as md5 digests.
- ++**auth** - Authentication parameters for the user.
- **-md5** - Use HMAC MD5 algorithm for authentication.
- +++**PASSWD** - Authentication password for user.

Default Setting

SNMP v2: enabled

SNMP v2 community: private rw,public ro,trap ro

SNMP v3: enabled

Command Mode

Global Configuration

Example

```
ProCurve (wireless-services-B) # configure
ProCurve (wireless-services-B) (config) #snmp-server community
private restricted
ProCurve (wireless-services-B) (config) #snmp-server contact
Paul
ProCurve (wireless-services-B) (config) #snmp-server location
2F R19
```

Related Commands

show snmp (page A-98)

sntp

This command configures simple NTP. The no command negates this configuration.

Syntax

sntp (enable | server1 | server2 | server3)

no sntp

- **enable** - Enables time synchronization with Simple NTP servers.
- **server1** - Configures first SNTP server.
 - **A.B.C.D** - IP address of first SNTP server.
- **server2** - Configures second SNTP server.
 - **A.B.C.D** - IP address of second SNTP server.
- **server3** - Configures first SNTP server.
 - **A.B.C.D** - IP address of third SNTP server.

Default Setting

Disabled

Command Mode

Global Configuration

Example

```
ProCurve (wireless-services-B) #configure
ProCurve (wireless-services-B) (config) #sntp server1 10.10.1.0
ProCurve (wireless-services-B) (config) #
```

Related Commands

show sntp (page A-100)

time

This command configures time parameters.

Syntax

time

- **HH:MM:SS** - Current Time (in military format hours, minutes, and seconds).

Default Setting

Enabled

Command Mode

Global Configuration

Example

```
ProCurve (wireless-services-B) #configure
ProCurve (wireless-services-B) (config) #time 20:32:26
ProCurve (wireless-services-B) (config) #
```

Related Commands

show time (page A-102)

timezone

This command configures timezone parameters. The no command negates this configuration.

Syntax

timezone (TIMEZONE)

no timezone

- **TIMEZONE** - File containing the timezone.

Enter <tab> to traverse through a list of files.

Default Setting

N/A

Command Mode

Global Configuration

Example

```
ProCurve (wireless-services-B) #configure
ProCurve (wireless-services-B) (config) #timezone
Africa/  Asia/      Atlantic/  Australia/  Etc/  Europe/
Pacific/  America/
ProCurve (wireless-services-B) (config) #
```

Related Commands

show timezone (page A-102)

upd-server

This command configures autoinstall update server parameters. The no command negates this configuration.

Syntax

upd-server (cfg-file-loc | img-file-loc | ip | unreachable)

no upd-server

- **cfg-file-loc** - Sets configuration file location on the ftp/tftp server.
 - **WORD** - Config file ftp/tftp location.
- **img-file-loc** - Sets image file location.
 - **WORD** - Image file ftp/tftp location.
 - **+img-file-ver** - Image file version.
- **ip** - Server ip address.
 - **A.B.C.D** - IP address in A.B.C.D format.
- **unreachable** - Sets update server reachability.

Default Setting

Disabled

Command Mode

Global Configuration

Example

```
ProCurve (wireless-services-B) #configure
ProCurve (wireless-services-B) (config) #upd-server img-file-
loc tftp img-file-ver 2
ProCurve (wireless-services-B) (config) #
```

Related Commands

show upd-server (page A-103)

wireless

This command accesses the wireless context. This section does not detail the commands in the wireless context, refer to the Wireless Context Command Section.

Syntax

wireless

Default Setting

N/A

Command Mode

Global Configuration

Example

```
ProCurve (wireless-services-B) #configure  
ProCurve (wireless-services-B) (config) #wireless  
ProCurve (wireless-services-B) (config-wireless) #
```

Interface Commands

These commands are used to configure the Interface Context commands.

| Command | Function | Page |
|------------------|---|--------------|
| [no] description | (Negates) Interface specific description. | A-55 |
| <i>end</i> | <i>Detailed in Global Command Section.</i> | <i>A-38</i> |
| <i>exit</i> | <i>Detailed in Manager Command Section.</i> | <i>A-23</i> |
| <i>help</i> | <i>Detailed in Manager Command Section</i> | <i>A-24</i> |
| [no] ip | (Negates) Sets the IP address of the interface. | A-56 |
| <i>logout</i> | <i>Detailed in Manager Command Section</i> | <i>A-25</i> |
| management | Sets current interface as Management Interface. | A-57 |
| [no] mtu | (Negates) Sets mtu value for vlan interface. | A-57 |
| <i>show</i> | <i>Detailed in Show Command Section</i> | <i>A-83</i> |
| <i>support</i> | <i>Detailed in Support Command Section</i> | <i>A-131</i> |

description (interface)

This command configures a description for the interface. The no command negates this configuration.

Syntax

description (LINE)

no description

- **LINE** - Characters describing this interface.

Default Setting

N/A

Command Mode

Interface Configuration

Example

```
ProCurve (wireless-services-B) #configure
ProCurve (wireless-services-B) (config) #interface vlan1
ProCurve (wireless-services-B) (config-if) #description EXAMDES
ProCurve (wireless-services-B) (config-if) #
```

Related Commands

show interfaces (page A-88)

ip (interface)

This command configures ip parameters of the interface. The no command negates this configuration.

Syntax

ip (address)

no ip address

- **address** - Configures an internet protocol address of an interface.
 - **A.B.C.D/M** - IP address (e.g. 10.0.0.1/8).
 - **dhcp** - Use DHCP Client to obtain IP address for this interface.

Default Setting

unassigned (DHCP)

Command Mode

Interface Configuration

Example

```
ProCurve (wireless-services-B) #configure
ProCurve (wireless-services-B) (config) #interface vlan1
ProCurve (wireless-services-B) (config-if) #ip 10.0.0.1/4
ProCurve (wireless-services-B) (config-if) #
```

Related Commands

show ip interface (page A-89)

management

This command configures the selected interface as the management interface.

Syntax

management

Default Setting

N/A

Command Mode

Interface Configuration

Example

```
ProCurve (wireless-services-B) #configure  
ProCurve (wireless-services-B) (config) #interface vlan1  
ProCurve (wireless-services-B) (config-if) #management  
ProCurve (wireless-services-B) (config-if) #
```

Related Commands

show management (page A-92)

mtu

This command sets the mtu value for the vlan interface.

Syntax

mtu (<512-1500>)

- **<512-1500>** - MTU in bytes.

Default Setting

N/A

Command Mode

Interface Configuration

Example

```
ProCurve (wireless-services-B) #configure  
ProCurve (wireless-services-B) (config) #interface vlan1  
ProCurve (wireless-services-B) (config-if) #mtu 600  
ProCurve (wireless-services-B) (config-if) #
```

Wireless Commands

These commands are used to configure the Wireless Context commands.

| Command | Function | Page |
|----------------------------|--|--------------|
| [no] adopt-unconf-radio | (Negates) Adopts an unconfigured radio. | A-60 |
| [no] adoption-pref-id | (Negates) Configures a preference identifier. | A-60 |
| [no] advanced-config | (Negates) Enables advanced configuration. | A-61 |
| [no] ap-detection | (Negates) Configures neighboring access point detection. | A-61 |
| <i>country-code</i> | <i>Detailed in Global Command Section.</i> | <i>A-36</i> |
| [no] dot11-shared-key-auth | (Negates) Enables support for 802.11 shared key authentication. | A-63 |
| <i>end</i> | <i>Detailed in Global Command Section.</i> | <i>A-38</i> |
| <i>exit</i> | <i>Detailed in Manager Command Section.</i> | <i>A-23</i> |
| <i>help</i> | <i>Detailed in Manager Command Section</i> | <i>A-24</i> |
| ids | Intrusion detection configuration commands. | A-63 |
| <i>logout</i> | <i>Detailed in Manager Command Section</i> | <i>A-25</i> |
| [no] mac-auth-local | (Negates) Establishes local mac authentication list. | A-64 |
| [no] proxy-arp | (Negates) Responds to ARP requests from the RON to WLAN on behalf of stations. | A-65 |
| [no] radio | (Negates) Radio configuration commands. | A-66 |
| [no] self-heal | (Negates) Self-healing configuration commands. | A-70 |
| <i>show</i> | <i>Detailed in Show Command Section</i> | <i>A-107</i> |
| <i>support</i> | <i>Detailed in Support Command Section</i> | <i>A-131</i> |
| [no] wlan | (Negates) WLAN configuration commands. | A-72 |
| [no] wlan-prioritization | (Negates) Use wlan priority weights to determine packet queueing order. | A-79 |

adopt-unconf-radio

This command adopts a radio even if its not yet configured. The default templates are used for configuration. The no command negates this configuration.

Syntax

adopt-unconf-radio (enable)

no adopt-unconf-radio enable

- **enable** - Enables the adoption of unconfigured radios.

Default Setting

N/A

Command Mode

Wireless Configuration

Example

```
ProCurve (wireless-services-B) #configure
ProCurve (wireless-services-B) (config) #wireless
ProCurve (wireless-services-B) (config-wireless) #adopt-unconf-
radio enable
ProCurve (wireless-services-B) (config-wireless) #
```

adoption-pref-id

This command configures a preference identifier for this wireless module. All radios configured with this preference identifier are more likely to be adopted by this blade . The no command negates this configuration.

Syntax

adoption-pref-id

no adoption-pref-id

- **<1-65535>** - Assign the ID.

Default Setting

N/A

Command Mode

Wireless Configuration

Example

```
ProCurve (wireless-services-B) #configure
ProCurve (wireless-services-B) (config) #wireless
ProCurve (wireless-services-B) (config-wireless) #adoption-
pref-id 600
ProCurve (wireless-services-B) (config-wireless) #
```

advanced-config

This command allows advanced configuration of wlan settings . The no command negates this configuration.

Syntax

advanced-config

no advanced-config

- **enable** - Enables support for the advanced configuration.

Default Setting

Disabled

Command Mode

Wireless Configuration

Example

```
ProCurve (wireless-services-B) #configure
ProCurve (wireless-services-B) (config) #wireless
ProCurve (wireless-services-B) (config-wireless) #advanced-
config enable
ProCurve (wireless-services-B) (config-wireless) #
```

Related Commands

show running-config (page A-96)

ap-detection

This command configures the periodic detection of nearby access points. The no command disables ap-detection.

Syntax

ap-detection (approved | enable | max-aps | timeout)
no ap-detection

- **approved** - Configures the approved detection list.
 - **add** - Add an entry to the approved AP list .
 - +<**1-200**> - Index where this approved entry will be added: <1-200>.
 - **MAC** - MAC address in AA-BB-CC-DD-EE-FF format.
 - ++**LINE** - A string of up to 32 characters.
 - ++**any** - Any SSID.
 - **any** - Any MAC address.
 - ++**LINE** - A string of up to 32 characters.
 - ++**any** - Any SSID.
- **enable** - Allow radio-ports to look for APs.
- **max-aps** - The maximum amount of entries unapproved-seen and approved-seen can show.
 - **<1-1000>** - Number of entries between 1 and 1000.
- **timeout** - The amount of seconds a AP will remain in the list after it is no longer seen.
 - **<1-65535>** - Number of seconds between 1 and 65535.

Default Setting

Disabled

Command Mode

Wireless Configuration

Example

```
ProCurve (wireless-services-B) #configure
ProCurve (wireless-services-B) (config) #wireless
ProCurve (wireless-services-B) (config-wireless) #ap-detection
approved add 2 any any
ProCurve (wireless-services-B) (config-wireless) #ap-detection
enable
ProCurve (wireless-services-B) (config-wireless) #ap-detection
timeout 65
ProCurve (wireless-services-B) (config-wireless) #ap-detection
max-aps 200
ProCurve (wireless-services-B) (config-wireless) #
```

Related Commands

show wireless ap-detection-config (page A-107)

dot11-shared-key-auth

This command enables support for 802.11 shared key authentication. The no command negates the support.

Note

Shared key authentication has known weaknesses that can compromise your WEP key. It should only be configured to accommodate wireless stations that are unable to carry out Open-System authentication.

Syntax

dot11-shared-key-auth (enable)

no dot11-shared-key-auth

- **enable**- Enables support for shared key authentication.

Default Setting

N/A

Command Mode

Wireless Configuration

Example

```
ProCurve (wireless-services-B) #configure
ProCurve (wireless-services-B) (config) #wireless
ProCurve (wireless-services-B) (config-wireless) #dot11-shared-
key-auth enable
ProCurve (wireless-services-B) (config-wireless) #
```

ids

This command configures the Intrusion Detection configuration commands. The no command negates the configuration.

Syntax

ids (excessive-associations | excessive-probes | filter-ageout)

no ids

- **excessive-associations** - Monitors the number of association requests from stations.
 - **<0-65535>** - Maximum number of association requests per second .
- **excessive-probes** - Monitors the number of probe requests from stations.
 - **<0-65535>** - Maximum number of association requests per second .
- **filter-ageout** - Set the number of seconds to filter a station that set off IDS.
 - **<0-65535>** - Time in seconds.

Default Setting

N/A

Command Mode

Wireless Configuration

Example

```
ProCurve (wireless-services-B) #configure
ProCurve (wireless-services-B) (config) #wireless
ProCurve (wireless-services-B) (config-wireless) #ids
excessive-associations 500
ProCurve (wireless-services-B) (config-wireless) #ids
excessive-probes 400
ProCurve (wireless-services-B) (config-wireless) #ids filter
ageout 40
ProCurve (wireless-services-B) (config-wireless) #
```

Related Commands

show wireless ids (page A-110)

mac-auth-local

This command configures the local MAC authentication list. The no command disables the configuration.

Syntax

mac-auth-local
no mac-auth-local

- **<1-1000>** - MAC Auth local entry.
 - **allow** - Allow stations that match this rule to associate.

- +**MAC - Starting** MAC address in AA-BB-CC-DD-EE-FF format.
- **MAC** - Ending MAC address in AA-BB-CC-DD-EE-FF format.
- ++**WORD** - A list (eg: 1,3,7) or range (eg: 3-7) of wlan indices.
- **deny** - Deny stations that match this rule to associate.
- +**MAC - Starting** MAC address in AA-BB-CC-DD-EE-FF format.
- **MAC** - Ending MAC address in AA-BB-CC-DD-EE-FF format.
- ++**WORD** - A list (eg: 1,3,7) or range (eg: 3-7) of wlan indices.

Default Setting

Disabled

Command Mode

Wireless Configuration

Example

```
ProCurve (wireless-services-B) #configure
ProCurve (wireless-services-B) (config) #wireless
ProCurve (wireless-services-B) (config-wireless) #mac-auth-
local 10 allow 00-14-bd-be-72-00 00-14-bd-be-72-02 1
ProCurve (wireless-services-B) (config-wireless) #
```

Related Commands

show wireless mac-auth-local entries (page A-111)

proxy-arp

This command responds to ARP requests from the RON to WLAN on behalf of stations. The no command disables the support for the proxy-arp response.

Syntax

proxy-arp (enable)

no proxy-arp enable

- **enable**- Enables support for proxy arp.

Default Setting

N/A

Command Mode

Wireless Configuration

Example

```
ProCurve (wireless-services-B) #configure
ProCurve (wireless-services-B) (config) #wireless
ProCurve (wireless-services-B) (config-wireless) #proxy-arp
enable
ProCurve (wireless-services-B) (config-wireless) #
```

radio

This command configures the radio parameters. The no command negates the radio parameter configuration.

Note

To configure many of the radio parameters, you must first configure the country code. See country code.

Syntax

```
radio (<1-1000> | RADIO | add | all-11a | all-11bg | configure-8021X | default-11a
| default-11bg )
no radio
```

- **<1-1000>** - A single radio index.
- **RADIO** - A list (eg: 1,3,7) or range (eg: 3-7) of radio indices.
- **all-11a** - All 11a radios currently in configuration.
- **all-11bg** - All 11bg radios currently in configuration.
- **default-11a** - Default 11a configuration template.
- **default-11bg** - Default 11bg configuration template.

The radio (<1-1000> | RADIO | all-11a | all-11bg | default-11a | default-11bg) commands share the following parameters:

- **adoption-pref-id** - A preference identifier for this radio port. The radio port is more likely to be adopted by a wireless module that is its preferred wireless module.
 - +<1-65535> - The ID.
- **antenna-mode** - Antenna diversity mode.
 - +**diversity** - Full Diversity (both antennas).
 - +**primary** - Primary Antenna only.
 - +**secondary** - Secondary Antenna only.
- **beacon-interval** - Beacon interval in K-uSec.
 - +<50-200> - Beacon interval in milliSeconds.

- **bss** - Map wireless LANs to radio BSSIDs.
 - +<1-4> - The BSS where wireless LANs will be mapped.
 - **WLAN** - A list (eg: 1,3,7) or range (eg: 3-7) of WLAN indices. When a BSS is also specified, the first WLAN will be used as the primary WLAN. When the auto option is used, the system will automatically assign the first four WLANs as primaries on their respective BSS.
 - +**auto** - Automatic assignment of BSS. The user selects wireless LANs, and the system assigns them to a BSS automatically.
 - **WLAN** - A list (eg: 1,3,7) or range (eg: 3-7) of WLAN indices. When a BSS is also specified, the first WLAN will be used as the primary WLAN. When the auto option is used, the system will automatically assign the first four WLANs as primaries on their respective BSS.
- **channel-power** - Location, channel and transmit power level.
 - +**indoor** - Indoor location.
 - +**outdoor** - Outdoor location.

The indoor and outdoor parameters share these parameters:

 - <1-200>- Channel number.
 - ++<4-20 - Power in dBm.
 - acs** - Auto channel selection (radio will scan for the least congested channel at startup or reconfiguration).
 - ++<4-20> - Power in dBm.
 - random** - Random channel selection.
 - ++<4-20 - Power in dBm.
- **copy-config-from** - Copies the configuration from a previously configured radio.
 - +<1-1000> - A single radio index.
 - +**default-11a** - Default 11a configuration template.
 - +**default-11bg** - Default 11bg configuration template.
- **detector** - Dedicate s this radio as a detector. No stations can associate to a detector.
- **dtim-period** - DTIM period (number of beacons between successive DTIMs).
 - +<1-50> - DTIM period.
- **max-stations** - Maximum number of stations allowed to associate.
 - +<1-64> - Number of stations.
- **reset** - Resets a radio (this will only reset the specified radio, not the complete radio-port).

- **reset-rp** - Resets the parent rp (this will reset all radios on that radio-port).
- **rts-threshold** - RTS threshold.
+<100-2346> - RTS threshold in bytes.
- **run-acs** - Runs auto-channel-selection on a radio. The radio should already have been configured for ACS.
- **self-heal-offset** - Configure the self-healing offset for regulatory.
+<0-65535> - The self-heal offset in dB.
- **short-preamble** - Short preamble.
- **speed** - Configures the basic and supported data rates / speed.
+{1,2,5p5,6,9,11,12,18,24,36,48,54} - Mbps.
+{basic1,basic2,basic5p5,basic6,basic9,basic11,basic12,basic18,basic24,basic36,basic48,basic54} - Mbps.
+default - Factory default rates based on radio-type.
+range - All rates enabled, the lowest one set to basic.
+throughput - All rates basic (note: only g clients allowed on 11bg .
- **wmm** - 802.11e / Wireless MultiMedia parameters.
+background - Background traffic [DSCP: 0x08, 0x10] [802.1d: 1, 2]
+best effort - Best effort traffic [DSCP: 0x00, 0x18] [802.1d: 0, 3]
+video - Video Traffic [DSCP: 0x20, 0x28] [802.1d: 4, 5]
+voice - Voice Traffic [DSCP: 0x30, 0x38] [802.1d: 6, 7]

The background, best effort, voice, and video share these parameters:

- aifsn** - Arbitration Inter Frame Spacing Number: the wait time in milliSeconds between data frames is derived using AIFSN and the slot-time.
++<1-15> - The Arbitration Inter Frame Spacing Number.
- burst** - Transmit-opportunity: an interval of time when a particular WMM STA has the right to initiate transmissions onto the wireless medium.
++<0-65535> - The transmit-opportunity in 32 microSecond units.
- cw** - Contention Window parameters: wireless stations pick a number between 0 and the minimum contention window to wait before retrying transmission. Stations then double their wait time on a collision, until it reaches the maximum contention window.
++<0-15> - cwMin: The minimum contention window. The actual value used is $(2^{cwMin} - 1)$.
--<0-15> - cwMax: The maximum contention window. The actual value used is $(2^{cwMax} - 1)$.

- **add** - Adds a new radio.
 - **<1-1000>** - Index where this radio is to be added.
 - +**<MAC>** - Mac address in AA-BB-CC-DD-EE-FF format.
 - 11a** - 802.11a type radio.
 - 11bg** - 802.11bg type radio.
- **configure-8021X** - Configures 802.1X username and password onto all currently adopted radio-ports.
 - **username** - Specify the 802.1X username the radio-port must use.
 - +**WORD** - 802.1X username.
 - password** - Specify the 802.1X password the radio-port must use.
 - ++**WORD** - 802.1X password.

Default Setting

Disabled

Command Mode

Wireless Configuration

Example

```
ProCurve (wireless-services-B) #configure
ProCurve (wireless-services-B) (config) #wireless
ProCurve (wireless-services-B) (config-wireless) #radio 1
adoption-pref-id 5

ProCurve (wireless-services-B) (config-wireless) #radio 1
antenna-mode diversity

ProCurve (wireless-services-B) (config-wireless) #radio 1
beacon-interval 50

ProCurve (wireless-services-B) (config-wireless) #radio 1
channel-power indoor acs 10
Regulatory parameter values depend on country of operation and radio
type. Refer to documentation for more regulatory information.

ProCurve (wireless-services-B) (config-wireless) #radio 2 copy
config-from default-11a

ProCurve (wireless-services-B) (config-wireless) #radio 1 max-
stations 64

ProCurve (wireless-services-B) (config-wireless) #radio 1 wmm
background cw 3 5

ProCurve (wireless-services-B) (config-wireless) #radio add 5
A1-B2-C3-D4-E5-F6 11bg

ProCurve (wireless-services-B) (config-wireless) #radio
configure-8021X username manager password simple
```

Related Commands

show wireless radio-statistics (page A-113)

self-heal

This command configures the self-healing commands. The no command negates the configuration.

Syntax

```
self-heal (interference-avoidance| neighbor-recovery)  
no self-heal
```

- **interference-avoidance** - Interference Avoidance configuration.
 - **enable** - Enables/disables interference avoidance.
 - **hold-time** - The number of seconds to disable interference avoidance after a detection. This prevents a radio from changing channels continuously.
 - +<0-65535> - A number of seconds between 0-65535.
 - **retries** - The average number retries to cause a radio to re-run auto channel selection.
 - +WORD - A decimal number between 0.0 and 15.0.
- **neighbor-recovery** - Neighbor recovery configuration commands.
 - **action**- Radio self healing action when neighbors are detected down.
 - +**both** - Raise the power to max and open all rates.
 - +**none** - Do nothing.
 - +**open-rates** - Open all rates.
 - +**raise-power** - Raise the power to max.
 - **enable** - Monitor radio-ports and attempt to increase coverage on failure.
 - **neighbors** - Add radios as neighbors.
 - +<1-1000> - A single radio index.
 - <1-1000> - A single radio index.
 - **run-neighbor-detect** - Disassociate all stations, clear current neighbors and run neighbor detection.

Default Setting

N/A

Command Mode

Wireless Configuration

Example

```
ProCurve (wireless-services-B) #configure
ProCurve (wireless-services-B) (config) #wireless
ProCurve (wireless-services-B) (config-wireless) #self-heal
interference-avoidance enable
ProCurve (wireless-services-B) (config-wireless) #self-heal
neighbor-recovery enable
ProCurve (wireless-services-B) (config-wireless) #self-heal
neighbor-recovery neighbors 5 5
ProCurve (wireless-services-B) (config-wireless) #self-heal
neighbor-recovery run-neighbor-detect
ProCurve (wireless-services-B) (config-wireless) #
```

Related Commands

show wireless self-heal-config (page A-120)

wlan

This command configures the wireless LAN parameters. The no command negates the WLAN parameter configuration.

Syntax

```
wlan ( <1-32> | WLAN )
no wlan
```

- **<1-1000>** - A single WLAN index.
- **WLAN** - A list (eg: 1,3,7) or range (eg: 3-7) of WLAN indices.

The radio (**<1-1000> | WLAN**) commands share the following parameters:

- **authentication-type** - The authentication type of this WLAN.
 - +**eap** - EAP authentication (802.1X).
 - +**none** - None / pre-shared keys.
 - +**web-auth** - Web based authentication (Note: encryption-type will be changed to none).
- **closed-system** - Hides the SSID in beacons, and doesn't respond to probes for broadcast ESS on this WLAN.
- **description** - The description of this WLAN.
 - +**LINE** - A string of up to 20 characters.

- **dot11i** - Configures IEEE 802.11i (TKIP/AES) parameters.
- +**key** - Configures the key (PMK).
 - 0 - Password is specified UNENCRYPTED.
 - ++**WORD** - The 256 bit (64 hex characters) long key.
 - 2 - Password is encrypted with password-encryption secret.
 - ++**WORD** - The 256 bit (64 hex characters) long key.
 - WORD** - The 256 bit (64 hex characters) long key.
- +**key-rotation** - Controls the periodic update of the broadcast keys of all associated stations.
 - enable** - Enables key rotation.
- +**key-rotation-interval** - Configures the broadcast key rotation interval.
 - <**60-86400**> - The key rotation interval in seconds.
- +**oo-pmk-caching** - Enables the opportunistic use of cached pairwise master keys (fast roaming with eap/802.1X).
- +**phrase** - Configures the passphrase.
 - **0** - Password is specified UNENCRYPTED.
 - ++**LINE** - A passphrase between 8 and 63 characters long.
 - **2** - Password is encrypted with password-encryption secret.
 - ++**LINE** - A passphrase between 8 and 63 characters long.
 - **LINE** - A passphrase between 8 and 63 characters long.
- +**pmk-caching** - Enables the use of cached pairwise master keys (fast roaming with eap/802.1X).
- **enable** - Enables specified wireless LAN(s).
- **encryption-type** - Enables specified wireless LAN(s).
 - +**aes** - AES Counter Mode CBC-MAC Protocol (CCMP).
 - +**none** - No encryption.
 - +**tkip** - Temporal Key Integrity Protocol (TKIP).
 - +**tkip-aes** - Enables both TKIP and AES on this WLAN.
 - +**wep128** - Wired Equivalence Privacy (WEP) with 128 bit keys.
 - +**wep64** - Wired Equivalence Privacy (WEP) with 64 bit keys.

Note

A configuration where two WLANs are mapped to the same VLAN, and one of them is configured with no encryption and the other with WEP, is insecure. It can lead to a compromise of the WEP key.

- **inactivity-timeout** - Inactivity timeout in seconds. If a frame is not received from a station for this amount of time, the station is disassociated.
 - +<**60-86400**> - Inactivity timeout in seconds.
 - **inter-station-blocking** - Prevents station to station traffic on this WLAN.
 - **qos** - Quality of Service commands.
 - +**mcast1** - The Egress prioritization multicast mask.
 - **MAC** - MAC address in AA-BB-CC-DD-EE-FF format.
 - +**mcast2** - MAC address in AA-BB-CC-DD-EE-FF format.
 - **MAC** - MAC address in AA-BB-CC-DD-EE-FF format.
 - +**prioritize-voice** - Prioritize voice frames over general data frames (applies non-WMM station).
 - +**svp** - Support for Spectralink Voice Prioritization.
 - **enable** - Enable Spectralink Voice Prioritization support on this WLAN.
 - +**weight** - The egress weight (relative priority to other WLANs) of this WLAN.
 - <**1-10**> - A weight <1-10>.
 - +**wmm** - 802.11e / Wireless MultiMedia parameters.
 - 8021p - Use 802.1p frame priority (field in the VLAN tag) to determine packet priority.
 - background** - Background traffic [DSCP: 0x08, 0x10] [802.1d: 1, 2]
 - best effort** - Best effort traffic [DSCP: 0x00, 0x18] [802.1d: 0, 3]
 - dscp** - Use DSCP (Differentiated Services Code Point) bits in the IP header to determine packet priority.
 - enable** - Enables 802.11e (Wireless MultiMedia) support on this WLAN.
 - video** - Video Traffic [DSCP: 0x20, 0x28] [802.1d: 4, 5]
 - voice** - Voice Traffic [DSCP: 0x30, 0x38] [802.1d: 6, 7]
- The background, best effort, voice, and video share these parameters:
- ++**aifsn** - Arbitration Inter Frame Spacing Number: the wait time in milliSeconds between data frames is derived using AIFSN and the slot-time.
 - -<**1-15**> - The Arbitration Inter Frame Spacing Number.

- ++**burst** - Transmit-opportunity: an interval of time when a particular WMM STA has the right to initiate transmissions onto the wireless medium.
 - <**0-65535**> - The transmit-opportunity in 32 microSecond units.
- ++**cw** - Contention Window parameters: wireless stations pick a number between 0 and the minimum contention window to wait before retrying transmission. Stations then double their wait time on a collision, until it reaches the maximum contention window.
 - <**0-15**> - cwMin: The minimum contention window. The actual value used is $(2^{cwMin} - 1)$.
 - +++<**0-15**> - cwMax: The maximum contention window. The actual value used is $(2^{cwMax} - 1)$.
- ++**txop-limit** - Transmit-opportunity: an interval of time when a particular WMM STA has the right to initiate transmissions onto the wireless medium.
 - <**0-65535**> - The transmit-opportunity in 32 microSecond units.
- **radius** - Modify Radius/802.1X related parameters.
 - +**reauth** - Enables periodic reauthentication of all associated stations.
 - <**30-65535**> - Reauthentication period in seconds.
 - +**server** - Modifies Radius/802.1X server parameters.
 - primary** - Primary radius server.
 - secondary** - Primary radius server.

The primary and secondary commands share these parameters:

 - ++**A.B.C.D** - Radius server IP address.
 - auth-port** - Radius server authentication port (default:1812).
 - +++<**1024-65535**> - Radius server authentication port (default:1812).
 - ++**radius-key** - Radius server shared secret, up to 127 characters.
 - **0** - Password is specified UNENCRYPTED.
 - +++**LINE** - Radius server shared secret, up to 127 characters.
 - **2** - Password is encrypted with password-encryption secret.
 - +++**LINE** - Radius server shared secret, up to 127 characters.
 - **LINE** - Radius server shared secret, up to 127 characters.

- +**timeout** - Time the wireless module waits for a response from the radius server before retrying.
 - **<1-60>** - Timeout in seconds.
 - ++**retransmit**- Number of retries before the wireless module will give up and disassociate the station.
 - **<1-10>** - Retry count.
 - **station** - Modifies Radius/802.1X supplicant related parameters.
 - +**timeout** - Time the wireless module waits for a response from the radius server before retrying.
 - **<1-60>** - Timeout in seconds.
 - ++**retransmit**- Number of retries before the wireless module will give up and disassociate the station.
 - **<1-10>** - Retry count.
 - **SSID** - The SSID of this WLAN.
 - +**WORD** - A string of up to 32 characters.
 - **vlan** - The VLAN assignment of this WLAN.
 - +**<1-4094>** - A VLAN identifier <1-4094>.
 - **web-auth** - Modify web-auth related parameters.
 - +**allow-list** - Modify web-auth white list parameters. Users who have not yet authenticated will be allowed access to these IP addresses.
 - <1-10>** - Allow-list Rule index (1-10).
 - ++**A.B.C.D** - Allow-list IP address.
 - +**radius** - Modify web-auth radius server parameters. The parameter extensions are the same as previous listed under "radius - Modify Radius/802.1X related parameters." on page A-75.
 - +**webpage** - Modify web-auth page parameters.
 - external - Modify web-auth External page.
 - internal - Modify web-auth Internal page.
- The external and internal commands share these parameters:
- ++**failure** - Users are redirected to this webpage if they fail authentication.
 - ++**login** - Users are prompted for their username and password on this webpage.
 - ++**welcome** - Users are redirected to this webpage after they authenticate successfully.

The failure/login/welcome parameters share these parameters:

- **-description** - Text that is displayed as the main body (normal font, middle of page) of the webpage.
- **-footer** - Text that is displayed at the footer (smaller font, bottom section) of the webpage.
- **-header** - Text that is displayed as a header (large font, top section) of the webpage.
- **-main-logo** - Main image (large size) that will be served up by the local webpage. Appears between the header and description on the webpage.
- **-small-logo** - Small image (thumbnail size) that will be served up by the local webpage. Appears near the footer on the webpage.
- **-Title** - Text that will be the title of the webpage.

+**webpage-location** - The location of the web pages to be used for authentication. These pages can either be hosted on the wireless module or on an external web server.

-external - Use login/welcome/failure Web pages on an external server.

-internal - Use login/welcome/failure Web pages configured on the wireless module.

- **wep128** - Configure WEP128 parameters.
- **wep64** - Configure WEP64 parameters.

The wep128 and wep64 commands share these parameters:

+**key** - Configures pre-shared hex keys.

-<**1-4**> - Key index being configured.

++**ascii** - Keys as ascii characters (5 characters for wep64, 13 for wep128).

++**hex** - Keys as ascii characters (5 characters for wep64, 13 for wep128).

The hex and ascii commands share these parameters:

- **-0** - Password is specified UNENCRYPTED.

+++**WORD** - Key (10 hex or 5 ascii characters for wep64, 26 hex or 13 ascii characters for wep128).

- **-2** - Password is encrypted with password-encryption secret.

+++**WORD** - Key (10 hex or 5 ascii characters for wep64, 26 hex or 13 ascii characters for wep128).

--**WORD** - Key (10 hex or 5 ascii characters for wep64, 26 hex or 13 ascii characters for wep128).

- +**phrase** - Specify a passphrase from which the keys are to be derived.
- LINE** - The passphrase between 4 and 32 characters long.
- +**web-default-key** - Configures the transmit key index.
- <1-4>- The key index to be used for transmission from AP to MU.

Default Setting

Disabled

Command Mode

Wireless Configuration

Example

```
ProCurve (wireless-services-B) #configure
ProCurve (wireless-services-B) (config) #wireless
ProCurve (wireless-services-B) (config-wireless) #wlan 1 enable

ProCurve (wireless-services-B) (config-wireless) #wlan 1 ssid
SAM

ProCurve (wireless-services-B) (config-wireless) #wlan 1
encryption-type wep128

ProCurve (wireless-services-B) (config-wireless) #wlan 1
authentication-type eap

ProCurve (wireless-services-B) (config-wireless) #wlan 1
closed-system

ProCurve (wireless-services-B) (config-wireless) #wlan 1 qos
svp enable

ProCurve (wireless-services-B) (config-wireless) #wlan 1 inter-
station-blocking

ProCurve (wireless-services-B) (config-wireless) #wlan 1 wep128
wep-default-key 4

ProCurve (wireless-services-B) (config-wireless)
```

Related Commands

show wireless wlan-statistics (page A-126)

wlan-prioritization

This command uses WLAN priority weights to determine packet order. The no command disables this support. queueing

Syntax

wlan-prioritization (enable)

no wlan-prioritization enable

- **enable**- Enables prioritization across wireless LANs.

Default Setting

N/A

Command Mode

Wireless Configuration

Example

```
ProCurve (wireless-services-B) #configure
ProCurve (wireless-services-B) (config) #wireless
ProCurve (wireless-services-B) (config-wireless) #wlan-
prioritization enable
ProCurve (wireless-services-B) (config-wireless) #
```

Related Commands

show wireless wlan-statistics (page A-126)

Show Commands

These commands are common commands used to display configured parameters in all contexts.

| Command | Function | Page |
|---|---|------|
| Show Commands (All Contexts) | | |
| show alarm-log (<1-65535> acknowledged all new) | Displays list of alarms occurring since boot. | A-83 |
| show commands | Shows command lists. | A-84 |
| show crypto pki (certificates trustpoints) | Displays encryption related commands. | A-85 |
| show debug | Displays debugging setting. | A-85 |
| show file (information systems) | Displays file system information. | A-86 |
| show flash | Displays boot status. | A-87 |
| show history | Displays the session command history. | A-87 |
| show hostname | Displays the hostname. | A-88 |
| show interfaces | Shows interfaces status and configuration. | A-88 |
| show ip (arp dns domain interface route routing web-management) | Shows ip parameters. | A-89 |
| show licenses (uninstalled) | Displays license information. | A-91 |
| show logging | Displays message logging facilities. | A-91 |
| show management | Displays L3 Management Interface name. | A-92 |
| show password-encryption | Displays password encryption. | A-96 |
| show redundancy-group | Displays redundancy group parameters. | A-96 |
| show redundancy-history | Displays state transition history of the wireless module. | A-96 |
| show redundancy-member | Displays redundancy member parameters. | A-96 |
| show running-config (include-factory interface) | Displays current operating configuration. | A-96 |
| show snmp [user (manager operator) server] | Displays snmp engine parameters. | A-98 |

| Command | Function | Page |
|---|---|-------|
| show snmp | Displays snmp configuration. | A-100 |
| show startup-config | Displays contents of startup configuration. | A-100 |
| show terminal | Displays terminal configuration parameters. | A-101 |
| show time | Displays system clock. | A-102 |
| show timezone | Displays time zone. | A-102 |
| show upd-server | Displays server information. | A-103 |
| show upgrade-status (detail) | Displays status of the last image upgrade. | A-103 |
| show version | Displays software & hardware version. | A-104 |
| show vlans | Displays VLAN information. | A-105 |
| show wireless (ap-detection-config approved-aps channel-power config ids mac-auth-local phrase-to-key radio-config radio-statistics radio-status regulatory rp-images rp-status rp-unadopted self-heal-config station station-statistics unapproved-aps web-auth-config wireless-module-statistics wlan-config wlan-statistics) | Displays wireless configuration commands. See Show Commands (Wireless). | A-107 |
| Show Commands (Wireless) | | |
| show wireless ap-detection-config | Displays detected-AP Configuration Parameters. | A-107 |
| show wireless approved-aps | Displays approved APs seen by radio-port scans. | A-107 |
| show wireless channel-power | Displays list of available channel and power levels for a radio. | A-108 |
| show wireless config | Displays wireless configuration parameters. | A-109 |
| show wireless ids | Displays intrusion detection parameters. | A-110 |
| show wireless mac-auth-local | Lists the mac-auth-local entries. | A-111 |
| show wireless phrase-to-key | Displays the WEP keys generated by a passphrase. | A-111 |
| show wireless radio-config | Displays radio configuration. | A-112 |
| show wireless radio-statistics | Displays radio statistics. | A-113 |

ProCurve Wireless Services xl Module Command Line Reference

Show Commands

| Command | Function | Page |
|--|---|-------------|
| show wireless radio-status | Displays radio status. | A-114 |
| show wireless regulatory | Displays regulatory (allowed channel/power) information for a particular country. | A-115 |
| show wireless rp-images | Displays list of radio-port images on the wireless module. | A-118 |
| show wireless rp-unadopted | Displays status of adopted radio-port. | A-120 |
| show wireless self-heal-config | Displays self-healing configuration parameters. | A-120 |
| show wireless station | Displays details of associated stations. | A-121 |
| show wireless station-statistics | Displays station statistics. | A-122 |
| show wireless unapproved-aps | Displays unapproved APs seen by radio-port scans. | A-122 |
| show wireless web-auth-config | Displays WLAN web-auth configuration. | A-123 |
| show wireless wireless-module-statistics | Displays wireless-module statistics. | A-124 |
| show wireless wlan-config | Displays WLAN configuration. | A-125 |
| show wireless wlan-statistics | Displays WLAN statistics. | A-126 |

Show Commands (All Contexts)

This section details the show commands displayed in all available contexts.

show alarm-log

This command displays all alarms since the last boot.

Syntax

show alarm-log (<1-65535> | acknowledged | all | new |)

- **<1-65535>** - Display details for specific alarm id.
- **acknowledged** - Display acknowledged alarms since boot.
- **all** - Display all alarms occurred since boot.
- **new** - Display new alarms occurred since boot.

Default Setting

N/A

Command Mode

All

Example

```
ProCurve(wireless-services-B)#show alarm-log
ProCurve Switch 5304XL(wireless-services-B)#sho alarm-log

Index: 2  Severity: normal  Type: dhcpIPChanged  Timestamp:
Apr 30 02:17:15 2006
Message: Interface: vlan1, New IP: [10.20.12.4/20]
Module: nsm  Status: Unacknowledged

Index: 1  Severity: major  Type: coldstart  Timestamp: Apr
30 02:17:15 2006
Message: None
Module: snmp  Status: Unacknowledged
ProCurve Switch 5304XL(wireless-services-
B)#ProCurve(wireless-services-B)#
```

show commands

This command displays command lists.

Syntax

show commands

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve(wireless-services-B)#show commands
acknowledge alarm-log (all|<1-65535>)
acknowledge alarm-log (all|<1-65535>)
cd (DIR|)
cd (DIR|)
clear alarm-log (new|all|acknowledged|<1-65535>)
clear alarm-log (new|all|acknowledged|<1-65535>)
clear alarm-log (new|all|acknowledged|<1-65535>)
clear alarm-log (new|all|acknowledged|<1-65535>)
clear arp (IFNAME|)
clear arp (IFNAME|)
clear logging
clear wireless-statistics
configure (terminal|)
configure (terminal|)
copy (FILE|URL) (FILE|URL)
copy (FILE|URL) (FILE|URL)
copy (FILE|URL) (FILE|URL)
copy (FILE|URL) (FILE|URL)
debug all
debug cc (|err|warn|info|all)
debug cc (|err|warn|info|all)
debug cc (|err|warn|info|all)
-- MORE --, next page: Space, next line: Enter, quit:
Control-C
ProCurve(wireless-services-B)#
```

show crypto

This command displays encryption related commands.

Syntax

show crypto pki (certificates | trustpoints |)

- pki - Display public key infrastructure commands.
 - certificates - Display certificates.
 - trustpoints - Display trustpoints

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B)#show crypto pki certificates
Self-Signed Certificate
Status                : Available
Country              : US
City                 : Palo Alto
Organization         : Hewlett Packard, Inc.
Issuer               : Wireless Services
Validity Date       :
  start date         : Nov 3 12:15:27 2005 GMT
  end date           : Feb 1 12:15:27 2006 GMT
ProCurve (wireless-services-B)#
```

show debug

This command displays debugging setting.

Syntax

show debug

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B)#show debug
debugging is off
ProCurve (wireless-services-B)#
```

show file

This command displays filesystem information.

Syntax

show file (information | systems |)

- **information** - Display file information.
 - FILE - Display information on file.
- **systems** - Display filesystems.

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B)#show file information TESTFILE
flash:TESTFILE:
  type is text file
ProCurve (wireless-services-B)#
ProCurve (wireless-services-B)#show file systems
File Systems:
  Size(b)      Free(b)      Type  Prefix
  -          -          opaque system:
4058112      2691072      flash nvram:
5057536      2764800      flash flash:
  -          -          network tftp:
  -          -          network ftp:
  -          -          network scp:
ProCurve (wireless-services-B)#
```

show flash

This command displays flash information.

Syntax

show flash

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve(wireless-services-B)#show flash
Image           Build Date           Install Date         Version
-----
Primary         Nov 17 22:16:26 2005   Nov 22 15:18:17 2005   WS.01.XX.0551Swami
Secondary       Nov 17 22:16:26 2005   Nov 21 13:10:07 2005   WS.01.XX.0551Swami

Current Boot    : Primary
Next Boot       : Primary
Software Fallback : Enabled
ProCurve(wireless-services-B)#
```

show history

This command displays session command history.

Syntax

show history

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #show history
 1 show hostname
 2 show history
ProCurve (wireless-services-B) #
```

show hostname

This command displays the network name of the system.

Syntax

show hostname

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #show hostname
Configured hostname : Wireless Services
ProCurve (wireless-services-B) #
```

show interfaces

This command displays the interfaces status and configuration.

Syntax

show interfaces

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve(wireless-services-B)#show interfaces
Interface dnlk
  Hardware Type Ethernet, Interface Mode Layer 2, address is 00-01-e6-f5-86-fc
  index 2 metric 1 mtu 1500 <UP,BROADCAST,RUNNING,MULTICAST>
  Speed: Admin Auto, Operational 1g
  Duplex: Admin Auto, Operational Full
    input packets 2693, bytes 204774, dropped 0, multicast packets 0
    input errors 0, length 0, overrun 0, CRC 0, frame 0, fifo 0, missed 0
    output packets 0, bytes 0, dropped 0
    output errors 0, aborted 0, carrier 0, fifo 0, heartbeat 0, window 0
    collisions 0
Interface uplink
  Hardware Type Ethernet, Interface Mode Layer 2, address is 00-01-e6-f5-86-fd
  index 3 metric 1 mtu 1500 <UP,BROADCAST,RUNNING,MULTICAST>
  Speed: Admin Auto, Operational 1g
  Duplex: Admin Auto, Operational Full
    input packets 3723, bytes 816128, dropped 0, multicast packets 2714
    input errors 0, length 0, overrun 0, CRC 0, frame 0, fifo 0, missed 0
    output packets 860, bytes 68860, dropped 0
    output errors 0, aborted 0, carrier 0, fifo 0, heartbeat 0, window 0
    collisions 0
Interface vlan1
  Hardware Type VLAN, Interface Mode Layer 3, address is 00-01-e6-f5-86-fd
  index 6 metric 1 mtu 1500 <UP,BROADCAST,RUNNING,MULTICAST>
  inet 192.168.15.104/24 broadcast 192.168.15.255
    input packets 2858, bytes 701077, dropped 0, multicast packets 0
    input errors 0, length 0, overrun 0, CRC 0, frame 0, fifo 0, missed 0
    output packets 6, bytes 1265, dropped 0
    output errors 0, aborted 0, carrier 0, fifo 0, heartbeat 0, window 0
    collisions 0
ProCurve(wireless-services-B)#
```

show ip

This command displays ip status and configuration.

Syntax

show ip (arp | dns | domain | interface | route | routing | web-management |)

- **arp** - Display address resolution protocol.
- **dns** - Display dns nameservers.
- **domain** - Display default domain for dns.
- **interface** - Display ip interface status and configuration.
 - IFNAME - Display vlan1-vlan4094.

ProCurve Wireless Services xl Module Command Line Reference

Show Commands (All Contexts)

- **route** - Display ip routing table.
- **routing**- Display ip routing status.
- **web-management** - Display web-server status.

Default Setting

N/A

Command Mode

Manager

Examples

```
ProCurve(wireless-services-B)#show ip arp
IP Address      MAC Address      Interface  Type
192.168.15.1    00-14-bf-bf-72-30  vlan1     dynamic

ProCurve(wireless-services-B)# show ip dns
68.87.76.178    dynamic
68.87.66.196    dynamic

ProCurve(wireless-services-B)# show ip domain
IP dns-lookup  : Enable
Domain Name    : hsd1.ca.comcast.net.

ProCurve(wireless-services-B)# show ip interface vlan1
Interface      IP-Address      Status      Protocol
vlan1          192.168.15.104 (DHCP)  up          up

ProCurve(wireless-services-B)# show ip route
Codes: K - kernel/icmp, C - connected, S - static, D - DHCP
* - candidate default
Gateway of last resort is 192.168.15.1 to network 0.0.0.0
D*   0.0.0.0/0 [0/0] via 192.168.15.1, vlan1
C    192.168.15.0/24 is directly connected, vlan1

ProCurve(wireless-services-B)#show ip routing
IP routing is off

ProCurve(wireless-services-B)#show ip web-management
HTTP server status: enabled
ProCurve(wireless-services-B)#
```

show licenses

This command displays installed licenses.

Syntax

show licenses (uninstalled)

- **uninstalled** - Display uninstalled licenses.

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve(wireless-services-B)#show licenses
Index  Feature Group      Value  Installed License Key (encoded)
-----
0      radio-ports        12    *****
ProCurve(wireless-services-B)#show licenses uninstalled
No uninstalled licenses are present.
ProCurve(wireless-services-B)#
```

show logging

This command displays logging configuration and buffer.

Syntax

show logging

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve(wireless-services-B)#show logging

Syslog logging: enabled
  Aggregation time: disabled
  Console logging: level debugging
  Monitor logging: disabled
  Buffer logging: disabled
  Trap logging: disabled
Log Buffer (0 bytes):

ProCurve(wireless-services-B)#
```

show management

This command displays L3 management interface name.

Syntax

show management

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve(wireless-services-B)#show management
Mgmt Interface: vlan1
ProCurve(wireless-services-B)#
```

show password-encryption

This command displays password encryption parameters.

Syntax

show password-encryption (status)

- **status** - Displays password-encryption status.

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve(wireless-services-B)#show password-encryption
status
Password encryption is enabled
ProCurve(wireless-services-B)#
```

show redundancy-group

This command displays redundancy group parameters.

Syntax

show redundancy-group (config | runtime)

- **config** - Displays configured redundancy group information.
- **runtime** - Displays runtime redundancy group information.

Default Setting

N/A

Command Mode

Manager

Example: This example displays the redundancy group configuration.

```
ProCurve(wireless-services-B)#show redundancy-group config
Redundancy Group Configuration Detail
Redundancy Feature                : Disabled
Redundancy group ID                : 50
Redundancy Mode                    : Active
Redundancy Interface IP            : 10.10.1.20
Number of configured peer(s)       : 1
Heartbeat-period                   : 5 Seconds
Hold-period                        : 20 Seconds
Discovery-period                   : 10 Seconds
Handle STP                         : Enabled
Module Authorization Level          : 36

ProCurve(wireless-services-B)#
```

Examples: These examples display runtime and group information.

```
ProCurve(wireless-services-B)#show redundancy-group runtime
Redundancy Group Runtime Information
Redundancy Protocol Version      : 1.0
Redundancy Group Authorization Level : 0
Radio Ports Adopted by Group      : Not Applicable
Radio Ports Adopted by this Module : Not Applicable
Redundancy State                  : Disabled
Established Peer(s) Count         : Not Applicable
Redundancy Group Connectivity status : Not Applicable

ProCurve(wireless-services-B)#show redundancy-group
Redundancy Group Configuration Detail
Redundancy Feature                : Disabled
Redundancy group ID               : 50
Redundancy Mode                   : Active
Redundancy Interface IP           : 10.10.1.20
Number of configured peer(s)      : 1
Heartbeat-period                  : 5 Seconds
Hold-period                       : 20 Seconds
Discovery-period                  : 10 Seconds
Handle STP                        : Enabled
Module Authorization Level        : 36

Redundancy Group Runtime Information
Redundancy Protocol Version      : 1.0
Redundancy Group Authorization Level : 0
Radio Ports Adopted by Group      : Not Applicable
Radio Ports Adopted by this Module : Not Applicable
Redundancy State                  : Disabled
Established Peer(s) Count         : Not Applicable
Redundancy Group Connectivity status : Not Applicable

ProCurve(wireless-services-B)#
```

show redundancy-history

This command displays state transition history of the wireless module.

Syntax

show redundancy-history

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #show redundancy-history
State Transition History
Time                               Event Triggered           State
-----
Apr 25 07:42:30 2006              Redundancy Disabled       Disabled
ProCurve (wireless-services-B) #
```

show redundancy-member

This command displays redundancy group parameters.

Syntax

show redundancy-member (A.B.C.D)

- **A.B.C.D** - Displays redundancy group members seen by this wireless module.

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #show redundancy-member
Member ID                          : 10.10.1.21
Member State                        : Peer Configured
Member First Seen                   : Not Applicable
Member Last Seen                    : Not Applicable
Number of HB sent                   : Not Applicable
Number of HB received               : Not Applicable
Number of Update sent               : Not Applicable
Number of Update received           : Not Applicable
Member Standby Mode                 : Not Applicable
Member RP adoption count            : Not Applicable
Member Authorization level          : Not Applicable
ProCurve (wireless-services-B) #
```

show running-config

This command displays current operating configuration.

Syntax

show running-config (include-factory | interface)

- **include-factory** - Include the factory defaults.
- **interface** - Displays interface configuration.
 - IFNAME - Interface name.

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve(wireless-services-B)#show running-config
! configuration of ProCurveWLANModule Wireless Services version WS.01.03 on
Tue6
!
version 1.0
!
no country-code
redundancy group-id 50
redundancy interface-ip 10.10.1.20
redundancy holdtime-period 20
redundancy discovery-period 10
redundancy handle-stp enable
redundancy member-ip 10.10.1.21
ip web-management
snmp-server manager v2
snmp-server manager v3
snmp-server user manager v3 encrypted auth md5
0x709f649df8ba589f178416c291fcb0
snmp-server user operator v3 encrypted auth md5
0x777da3446d4dcea9e722cfaa520021
wireless
interface vlan1
    ip address 192.168.1.5/21
!
end
ProCurve(wireless-services-B)#show running-config include-factory
! configuration of ProCurveWLANModule Wireless Services version WS.01.03 on
Tue6
!
version 1.0
!
no service password-encryption
no support prompt crash-info
no support set command-history
no support set reboot-history
no support set upgrade-history
hostname "Wireless Services"
ip dns-lookup
support pm max-sys-restarts 2
no support support pm sys-restart
support diag period 1000
support diag enable
no country-code
no snmp-server enable traps wireless-statistics min-packets
no snmp-server enable traps wireless-statistics wlan pktspg-greater-than
-- MORE --, next page: Space, next line: Enter, quit: Control-C
```

show snmp

This command displays snmp engine parameters.

Syntax

show snmp [user (manager | operator) | server]

- user - Display snmp user details.
 - manager - Display snmp manager details.
 - operator - Display snmp operator details.
- server - Display snmp server details.
 - traps - Display trap flags.
 - + wireless statistics - Display wireless stats rate traps.
 - ++ radio - Display radio rate traps.
 - ++ station - Display station rate traps.
 - ++ wireless-module - Display wireless module rate traps.
 - ++ wlan - Display wlan rate traps.

Default Setting

N/A

Command Mode

Manager

Examples

```

ProCurve(wireless-services-B)#show snmp user

userName      access      engineId      Auth      Priv
manager       rw         0000000c000000007f000001  MD5      DES
operator      ro         0000000c000000007f000001  MD5      DES

ProCurve(wireless-services-B)#show snmp-server traps
-----
Global enable flag for Traps                                     N
-----
Enable flag status for Individual Traps
-----
Module Type      Trap Type      Enabled? [Y/N]
-----
snmp              coldstart      N
snmp              linkdown       N
snmp              linkup         N
snmp              authentication N
upd-server       autoInstallInitiated N
upd-server       cfgCkSumMismatch N
upd-server       updSvrUnreachable N
nsm              dhcpIPChanged  N
cluster          memberUp       N
cluster          memberDown     N
cluster          memberMisConfigured N
cluster          adoptionExceeded N
cluster          licenseChanged N
misc             lowFsSpace     N
misc             processMaxRestartsReached N
wireless station associated        N
wireless station disassociated      N
wireless station deniedAssociationOnCapability N
wireless station deniedAssociationOnShortPream N
wireless station deniedAssociationOnSpectrum N
wireless station deniedAssociationOnErr N
wireless station deniedAssociationOnSSID N
wireless station deniedAssociationOnRates N
wireless station deniedAssociationOnInvalidWPAWPA2IE N
wireless station deniedAssociationAsPortCapacityReached N
wireless station tkipCounterMeasures N
wireless station deniedAuthentication N
ProCurve(wireless-services-B)#
  
```

show sntp

This command displays simple NTP configuration.

Syntax

show sntp

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve(wireless-services-B)#show sntp
Simple NTP is Disabled
Simple NTP Servers:
No Simple NTP servers are configured
ProCurve(wireless-services-B)#
```

show startup-config

This command displays contents of startup configuration.

Syntax

show startup-config

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve(wireless-services-B)#show startup-config
! factory default configuration
! prompt to include indication of crash files
support prompt crash-info
! vlan 1 gets an IP address via DHCP
interface vlan1
 ip address dhcp
! web and snmp are enabled to allow the management java applet to function ip
web-management
snmp-server manager v2
snmp-server manager v3
snmp-server user manager v3 encrypted auth md5
0x709f649df8ba589f178416c291fcba0
snmp-server user operator v3 encrypted auth md5
0x777da3446d4dcea9e722cfaa520021
!ProCurve(wireless-services-B)#
```

show terminal

This command displays terminal configuration parameters.

Syntax

show terminal

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve(wireless-services-B)#show terminal
Terminal Type: vt100
Length: 24      Width: 80
ProCurve(wireless-services-B)#
```

show time

This command displays the system clock.

Syntax

show time

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #show time
Feb 21 16:56:46 2006
ProCurve (wireless-services-B) #
```

show timezone

This command displays the timezone.

Syntax

show timezone

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #show timezone
Timezone is Etc/UTC
ProCurve (wireless-services-B) #
```

show upd-server

This command displays update server parameters.

Syntax

show upd-server

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #show upd-server
Terminal Type: vt100
Length: 24      Width: 80
ProCurve (wireless-services-A) *#show time
Feb 21 16:56:46 2006
ProCurve (wireless-services-A) *#show timezone
Timezone is Etc/UTC
ProCurve (wireless-services-A) *#show upd-server
Unreachable   : FALSE
Address       : 0.0.0.0
Protocol      : ftp
Username      :
Password      :
Img File Loc  :
Img File Ver  :
Cfg File Loc  :
ProCurve (wireless-services-B) #
```

show upgrade-status

This command displays the status of the last image upgrade.

Syntax

show upgrade-status (detail)

- **detail** - Display last image upgrade log.

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve(wireless-services-B)#show upgrade-status
Last Image Upgrade Status : Successful
Last Image Upgrade Time   : Tue Nov 22 15:18:17 2005
ProCurve(wireless-services-B)#show upgrade-status detail
Last Image Upgrade Status : Successful
Last Image Upgrade Time   : Tue Nov 22 15:18:17 2005
-----
var2 is 13 percent full
/tmp is 35 percent full
Free Memory 187880 kB
FWU invoked via Linux shell
Update Params: tftp://10.30.0.91///ProCurveWLANModule-WS.01.XX.0551Swami.img
R5
Using /usr/bin/copy_file tftp://10.30.0.91///ProCurveWLANModule-
WS.01.XX.0551Se
Reading image file header
Removing other partition
Added WS.01.XX.0551Swami *
Making file system
Extracting files
Version of firmware update file is WS.01.XX.0551Swami
Versions match, renaming my ver to WS.01.XX.0551Swami~
Creating LILO files
Running LILO
Added WS.01.XX.0551Swami~ *
Added WS.01.XX.0551Swami
-- MORE --, next page: Space, next line: Enter, quit: Control-C
```

show version

This command displays the software and hardware version.

Syntax

show version (verbose)

- **verbose** - Display software and hardware details.

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve(wireless-services-B)#show version
ProCurveWLANModule version WS.01.XX.0551Swami
Copyright (c) 2005 Symbol Technologies, Inc.
Booted from primary.

Switch uptime is 0 days, 2 hours 37 minutes
CPU is AMD Athlon(tm) Processor
256112 kB of on-board RAM
ide device hda disk model TOSHIBA THNCF256MBA capacity 500736 blocks, cache 2
ProCurve(wireless-services-B)#show version verbose
ProCurveWLANModule version WS.01.XX.0551Swami
Copyright (c) 2005 Symbol Technologies, Inc.
Booted from primary.

Switch uptime is 0 days, 2 hours 42 minutes
CPU is AMD Athlon(tm) Processor
PCI bus 0 device 17 function 0
    ISA bridge
    VIA Technologies, Inc.
    VT8235 ISA Bridge (rev 0).
PCI bus 0 device 17 function 1
    IDE interface
    VIA Technologies, Inc.
    VT82C586A/B/VT82C686/A/B/VT823x/A/C PIPC Bus Master IDE (rev 6) .
PCI bus 1 device 0 function 0
    PIC
    VIA Technologies, Inc.
    VPX/VPX2 I/O APIC Interrupt Controller (rev 3).
PCI bus 2 device 8 function 0
    Ethernet controller
    Intel Corporation
    82546EB Gigabit Ethernet Controller (rev 1).
-- MORE --, next page: Space, next line: Enter, quit: Control-C
```

show vlans

This command displays vlan information.

Syntax

show vlans

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve(wireless-services-B)#show vlans
Downlink:
VLAN ID      VLAN Name      Ports
2100         VLAN2100       ADP, C1-C24

Uplink:
VLAN ID      VLAN Name      Ports
1            DEFAULT_VLAN   AUP, B1-B4, C1-C24, D1-D24
ProCurve(wireless-services-B)#
```

Show Commands (Wireless)

This section details the show commands pertaining to the wireless parameters.

show wireless ap-detection-config

This command displays detected access point configuration parameters.

Syntax

show wireless ap-detection-config

Default Setting

N/A

Command Mode

Manager Configuration Context

Global Configuration Context

Interface Configuration Context

Wireless Configuration Context

Example

```
ProCurve(wireless-services-B) (config-wireless)#show wireless ap-detection-  
config  
timeout                : 300  
max-detected-aps       : 100  
configured approved-aps :  
Index | Bss Mac      | Ssid  
-----  
ProCurve(wireless-services-B) (config-wireless)#
```

show wireless approved-aps

This command displays approved applications as seen by radio port scanning.

Syntax

show wireless approved-aps

Default Setting

N/A

Command Mode

Manager Configuration Context

Global Configuration Context

Interface Configuration Context

Wireless Configuration Context

show wireless channel-power

This command displays available channel and power levels for a radio.

Syntax

show wireless channel-power (11a | 11bg)

- **11a** - Radio is of type 802.11a.
 - **Indoor** - Radio is placed indoor.
 - **Outdoor** - Radio is placed outdoors.
- **11bg** - Radio is of type 802.11bg.
 - **Indoor** - Radio is placed indoor.
 - **Outdoor** - Radio is placed outdoors.

Default Setting

N/A

Command Mode

Manager Configuration Context

Global Configuration Context

Interface Configuration Context

Wireless Configuration Context

Example

```
ProCurve(wireless-services-B) (config-wireless)#show wireless channel-power 11a indoor
```

| Channel | Max Power (dBm) | Radar Detected |
|----------------|-----------------|----------------|
| 36 (5180 MHz) | 17 | - |
| 40 (5200 MHz) | 17 | - |
| 44 (5220 MHz) | 17 | - |
| 48 (5240 MHz) | 17 | - |
| 52 (5260 MHz) | 20 | - |
| 56 (5280 MHz) | 20 | - |
| 60 (5300 MHz) | 20 | - |
| 64 (5320 MHz) | 20 | - |
| 149 (5745 MHz) | 20 | - |
| 153 (5765 MHz) | 20 | - |
| 157 (5785 MHz) | 20 | - |
| 161 (5805 MHz) | 20 | - |
| 165 (5825 MHz) | 20 | - |

```
ProCurve(wireless-services-B) (config-wireless)#show wireless channel-power 11bg outdoor
```

| Channel | Max Power (dBm) |
|---------------|-----------------|
| 1 (2412 MHz) | 20 |
| 2 (2417 MHz) | 20 |
| 3 (2422 MHz) | 20 |
| 4 (2427 MHz) | 20 |
| 5 (2432 MHz) | 20 |
| 6 (2437 MHz) | 20 |
| 7 (2442 MHz) | 20 |
| 8 (2447 MHz) | 20 |
| 9 (2452 MHz) | 20 |
| 10 (2457 MHz) | 20 |
| 11 (2462 MHz) | 20 |

```
ProCurve(wireless-services-B) (config-wireless)#
```

show wireless config

This command displays wireless configuration parameters.

Syntax

show wireless config

Default Setting

N/A

Command Mode

Manager Configuration Context

Global Configuration Context

Interface Configuration Context

Wireless Configuration Context

Example

```
ProCurve(wireless-services-B)(config-wireless)#show wireless config
country-code           : us
adoption-pref-id       : 1
proxy-arp              : disabled
wlan-prioritization    : disabled
adopt-unconf-radio     : enabled
dot11-shared-key-auth  : disabled
ap-detection           : enabled
advanced-config        : disabled

ProCurve(wireless-services-B)(config-wireless)#
```

show wireless ids

This command displays intrusion detection parameters.

Syntax

show wireless ids

Default Setting

N/A

Command Mode

Manager Configuration Context

Global Configuration Context

Interface Configuration Context

Wireless Configuration Context

Example

```
ProCurve(wireless-services-B) (config-wireless)#show wireless ids  
filter-agetout           : 60 seconds  
excessive-probes         : disabled  
excessive-associations   : disabled  
  
ProCurve(wireless-services-B) (config-wireless)#
```

show wireless mac-auth-local entries

This command displays the mac-auth-local entries.

Syntax

show wireless mac-auth-local

Default Setting

N/A

Command Mode

Manager Configuration Context
Global Configuration Context
Interface Configuration Context
Wireless Configuration Context

show wireless phrase-to-key

This command displays the WEP keys generated by a passphrase.

Syntax

show wireless phrase-to-key (wep128 | wep64)

- **wep128** - Displays WEP128 keys.
 - **WORD** - Passphrase between 4 and 32 characters.
- **wep64** - Displays WEP64 keys.
 - **WORD** - Passphrase between 4 and 32 characters.

Default Setting

N/A

Command Mode

Manager Configuration Context
Global Configuration Context
Interface Configuration Context
Wireless Configuration Context

Example

```
ProCurve (wireless-services-B) (config-wireless) #show wireless phrase-to-key  
wep128 help  
1) d7aad741102ccc216ed1b59322  
2) 2cdd3865719e93719d5a2a87c6  
3) 984590afb106774126f8c0b583  
4) 792ebf65147269f968cc23c204  
  
ProCurve (wireless-services-B) (config-wireless) #
```

show wireless radio-config

This command displays the radio configuration.

Syntax

show wireless radio-config (<1-1000> | default-11a | default-11bg)

- **radio-config** - Radio configuration.
 - <1-1000> - Single radio index.
 - **default-11a** - Default 11a configuration template.
 - **default-11bg** - Default 11bg configuration template.

Default Setting

N/A

Command Mode

Manager Configuration Context
Global Configuration Context
Interface Configuration Context
Wireless Configuration Context

Example

```
ProCurve(wireless-services-B) (config-wireless)#show wireless radio-config
  index      description      radio port mac   type  wlans-mapped
  1 ] RADIO1          00-14-C2-A0-0B-EC 11bg
  2 ] RADIO2          00-14-C2-A0-0B-EC 11a
  3 ] RADIO3          00-14-C2-A0-1B-3E 11bg
  4 ] RADIO4          00-14-C2-A0-1B-3E 11a
  5 ] RADIO5          A1-B2-C3-D4-E5-F6 11a
def-11a ] DEFAULT-11A  FF-FF-FF-FF-FF-FF 11a
def-11bg] DEFAULT-11BG  FF-FF-FF-FF-FF-FF 11bg

ProCurve(wireless-services-B) (config-wireless)#
```

show wireless radio-statistics

This command displays the radio statistics.

Syntax

show wireless radio-statistics (<1-1000>)

- **radio-statistics** - Radio statistics.
 - **<1-1000>** - Single radio index.

Default Setting

N/A

Command Mode

Manager Configuration Context

Global Configuration Context

Interface Configuration Context

Wireless Configuration Context

Example

```
ProCurve(wireless-services-B) (config-wireless)#show wireless radio-statistics

***** Radio-1 *****

stations Associated : 1
----- Traffic -----

```

| | Total | | Rx | | Tx | |
|---------------------|--------|--------|------|------|-------|----------|
| | 30s | 1hr | 30s | 1hr | 30s | 1hr |
| Pkts per sec: | 29.43 | 8.60 | 0.00 | 0.00 | 29.43 | 8.60 pps |
| Throughput: | 0.01 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 |
| Mbps | | | | | | |
| Avg bit speed: | 0.00 | 0.00 | Mbps | | | |
| % Non-unicast pkts: | 100.00 | 100.00 | | | | |

```
----- RF Status-----

```

| | 30s | 1hr |
|----------------------|------|----------|
| Avg station signal: | 0.00 | 0.00 dBm |
| Avg station noise: | 0.00 | 0.00 dBm |
| Avg station SNR(dB): | 0.00 | 0.00 |

```
----- Errors-----

```

| | 30s | 1hr |
|-------------------------|------|------|
| Avg number of retries: | 0.00 | 0.00 |
| % gave up pkts: | 0.00 | 0.00 |
| % Non-decryptable pkts: | 0.00 | 0.00 |

show wireless radio-status

This command displays the radio configuration.

Syntax

show wireless radio-status (<1-1000> | beacon table)

- **radio-status** - Radio status.
 - **<1-1000>** - Single radio index.
 - **beacon table** - The radio-to-radio beacon table.

Default Setting

N/A

Command Mode

Manager Configuration Context

Global Configuration Context

Interface Configuration Context

Wireless Configuration Context

Example

```
ProCurve(wireless-services-B) (config-wireless)#show wireless radio-status
# Radio Port MAC Start BSS Radio State Channel Pwr Idx-tye
1] 00-14-C2-A0-0B-EC 00-14-C2-A0-4E-EC 11bg normal 11 (rnd) 15 dyna
2] 00-14-C2-A0-0B-EC 00-14-C2-A0-CF-34 11a normal 60 (rnd) 15 dyna
3] 00-14-C2-A0-1B-3E 00-14-C2-A0-8F-A4 11bg normal 11 (rnd) 15 dyna
4] 00-14-C2-A0-1B-3E 00-14-C2-A0-CF-F0 11a normal 40 (rnd) 15 dyna

ProCurve(wireless-services-B) (config-wireless)#
```

show wireless regulatory

This command displays regulatory (allowed channel/power) information for a particular country.

Syntax

show wireless regulatory <country-codes>

- **<country-codes>**- Displays regulatory information for specified country.
 - ae United Arab Emirates
 - ar Argentina
 - at Austria
 - au Australia
 - be Belgium
 - bg Bulgaria
 - bh Bahrain
 - br Brazil
 - by Belarus
 - ca Canada
 - ch Switzerland
 - cl Chile
 - cn China
 - co Colombia
 - cr Costa Rica
 - cy Cyprus

ProCurve Wireless Services xl Module Command Line Reference
Show Commands (Wireless)

- cz Czech Republic
- de Germany
- dk Denmark
- ec Ecuador
- ee Estonia
- eg Egypt
- es Spain
- fi Finland
- fr France
- gr Greece
- hk Hong Kong
- hr Croatia
- hu Hungary
- id Indonesia
- ie Ireland
- il Israel
- in India
- is Iceland
- it Italy
- jo Jordan
- jp Japan
- kr South Korea
- kw Kuwait
- kz Kazakhstan
- li Liechtenstein
- lk Sri Lanka
- lt Lithuania
- lu Luxembourg
- lv Latvia
- ma Morocco
- mt Malta
- mx Mexico
- my Malaysia
- nl Netherlands
- no Norway
- nz New Zealand
- om Oman
- pe Peru
- ph Philippines
- pl Poland
- pt Portugal
- qa Qatar
- ro Romania
- ru Russia

- sa Saudi Arabia
- se Sweden
- sg Singapore
- si Slovenia
- sk Slovak Republic
- th Thailand
- tr Turkey
- tw Taiwan
- ua Ukraine
- uk United Kingdom
- us United States
- uy Uruguay
- ve Venezuela
- vn Vietnam
- za South Africa

Default Setting

N/A

Command Mode

Manager Configuration Context

Global Configuration Context

Interface Configuration Context

Wireless Configuration Context

Example

```
ProCurve(wireless-services-B) (config-wireless)#show wireless regulatory us
 802.11a Outdoor
Channels : 52 56 60 64 149 153 157 161 165
Power(dBm): 20 20 20 20 20 20 20 20 20

802.11a Indoor
Channels : 36 40 44 48 52 56 60 64 149 153 157 161 165
Power(dBm): 17 17 17 17 20 20 20 20 20 20 20 20 20

802.11bg Outdoor
Channels : 1 2 3 4 5 6 7 8 9 10 11
Power(dBm): 20 20 20 20 20 20 20 20 20 20 20

802.11bg Indoor
Channels : 1 2 3 4 5 6 7 8 9 10 11
Power(dBm): 20 20 20 20 20 20 20 20 20 20 20

ProCurve(wireless-services-B) (config-wireless)#
```

show wireless rp-images

This command displays the radio-port images on the wireless module.

Syntax

show wireless rp-images

Default Setting

N/A

Command Mode

Manager Configuration Context

Global Configuration Context

Interface Configuration Context

Wireless Configuration Context

Example

```
ProCurve(wireless-services-B) (config-wireless)#show wireless rp-images
Idx          Image-File          Version          Release Date     Size (bytes)
  1          ProCurve-200-Series  00.02-27 [00]   04 Feb 2006     293320
ProCurve(wireless-services-B) (config-wireless)#
```

show wireless rp-status

This command displays the status of adopted radio-port.

Syntax

show wireless rp-status

Default Setting

N/A

Command Mode

Manager Configuration Context

Global Configuration Context

Interface Configuration Context

Wireless Configuration Context

Example

```
ProCurve(wireless-services-B) (config-wireless)#show wireless rp-status
Number of radio-ports : 2
rp1 00-14-C2-A0-0B-EC model: ProCurve Radio Port 220 serial: TW546WJ11E
bootloader: 0.4 sw-version: 2.0 fw-ver: 00.02-27 hw-ver: 17.0
num-radios: 2 [ 1 2 ]
rp2 00-14-C2-A0-1B-3E model: ProCurve Radio Port 230 serial: TW546WL12A
bootloader: 0.4 sw-version: 2.0 fw-ver: 00.02-27 hw-ver: 17.0
num-radios: 2 [ 3 4 ]
ProCurve(wireless-services-B) (config-wireless)#
```

show wireless rp-unadopted

This command displays a list of unadopted radio-port.

Syntax

show wireless rp-unadopted

Default Setting

N/A

Command Mode

Manager Configuration Context

Global Configuration Context

Interface Configuration Context

Wireless Configuration Context

Example

```
ProCurve(wireless-services-B) (config-wireless)#show wireless rp-unadopted
Idx      radio-port Mac           Last Seen
 1]      00-14-C2-A0-1B-09      1 seconds ago
 2]      00-14-C2-A0-0B-05      1 seconds ago
ProCurve(wireless-services-B) (config-wireless)#
```

show wireless self-heal-config

This command displays the self-healing configuration parameters.

Syntax

show wireless self-heal-config

- **self-heal-config** - Details of self-heal parameters.
 - **<1-1000>** - single radio index.
 - **all** - all configured radios.

Default Setting

N/A

Command Mode

Manager Configuration Context

Global Configuration Context

Interface Configuration Context

Wireless Configuration Context

Example

```
ProCurve(wireless-services-B) (config-wireless)#show wireless self-heal-config
interference-avoidance      : disabled
retries                     : 14.0
hold-time                   : 3600 seconds
neighbor-recovery           : disabled

ProCurve(wireless-services-B) (config-wireless)#
```

show wireless station

This command displays the details of associated stations.

Syntax

show wireless station

- **station** - Details of associated stations.
 - **<1-1000>** - index of station.
 - **AA-BB-CC-DD-EE-FF** - MAC address of station.

Default Setting

N/A

Command Mode

Manager Configuration Context

Global Configuration Context

Interface Configuration Context

Wireless Configuration Context

show wireless station-statistics

This command displays the statistics of associated stations.

Syntax

show wireless station-statistics

- **station-statistics** - station statistics.
 - **AA-BB-CC-DD-EE-FF** - MAC address of station.
 - +**detail** - MAC address of station.

Default Setting

N/A

Command Mode

Manager Configuration Context

Global Configuration Context

Interface Configuration Context

Wireless Configuration Context

show wireless unapproved-aps

This command displays the unapproved APs seen by radio-port scans.

Syntax

show wireless unapproved-aps

Default Setting

N/A

Command Mode

Manager Configuration Context

Global Configuration Context

Interface Configuration Context

Wireless Configuration Context

show wireless web-auth-config

This command displays the WLAN web-auth configuration.

Syntax

show wireless web-auth-config

- **web-auth-config** - Wlan web-auth configuration.
 - **<1-32>** - A WLAN index.

Default Setting

N/A

Command Mode

Manager Configuration Context

Global Configuration Context

Interface Configuration Context

Wireless Configuration Context

Example

```
ProCurve(wireless-services-B) (config-wireless)#show wireless web-auth-config
WLAN: 1 status: disabled description: ssid: SSID 1
Page-Location: internal
Radius Server Parameters:
primary server :
IP address: 0.0.0.0 authentication-port: 1812 radius-key:
secondary server :
IP address: 0.0.0.0 authentication-port: 1812 radius-key:
Retries: 3 Timeout: 5
Internal Pages
Page-type : login
Title : Login Page
Header : Network Login
Description : Please enter your username and password
Footer : Contact the network administrator if you do not have an account
Image URL main:
Image URL small:
-- MORE --, next page: Space, next line: Enter, quit: Control-C
```

show wireless wireless-module-statistics

This command displays the wireless module statistics.

Syntax

show wireless wireless-module-statistics

- **wireless-module-statistics** - wireless-module statistics.
 - **detail** - detailed wireless-module statistics.

Default Setting

N/A

Command Mode

Manager Configuration Context

Global Configuration Context

Interface Configuration Context

Wireless Configuration Context

Example

```
ProCurve(wireless-services-B) (config-wireless)#show wireless wireless-module-
statistics
stations Associated :    0      Radios adopted :    4

----- Traffic -----

```

| | Total | | Rx | | Tx | |
|---------------------|-------|-----------|------|------|------|----------|
| | 30s | 1hr | 30s | 1hr | 30s | 1hr |
| Pkts per sec: | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 pps |
| Throughput: | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Mbps | | | | | | |
| Avg bit speed: | 0.00 | 0.00 Mbps | | | | |
| % Non-unicast pkts: | 0.00 | 0.00 | | | | |

```
----- RF Status-----
----- Errors-----
-- MORE --, next page: Space, next line: Enter, quit: Control-C
```

show wireless wlan-config

This command displays the WLAN configuration.

Syntax

show wireless wlan-config

- **wlan-config** - WLAN configuration.
 - **<1-32>** - A WLAN index.
 - **all** - all WLANs in configuration.

Default Setting

N/A

Command Mode

Manager Configuration Context

Global Configuration Context

Interface Configuration Context

Wireless Configuration Context

Example

```
ProCurve(wireless-services-B) (config-wireless)#show wireless wlan-config
#  enabled          ssid authentication encryption  vlan  description
1   Y              Finance          none      wep128    1    Bldg-3-Finance
2   Y              Employees        eap       aes       2    Bldg-2
3   N              SSID 3          none      none      1
4   N              SSID 4          none      none      1
5   N              SSID 5          none      none      1
6   N              SSID 6          none      none      1
7   N              SSID 7          none      none      1
8   Y              Mngmnt          eap       tkip-aes  1    Bldg-1
9   N              SSID 9          none      none      1
10  N              SSID 10         none      none      1
11  N              SSID 11         none      none      1
12  N              SSID 12         none      none      1
13  N              SSID 13         none      none      1
14  N              SSID 14         none      none      1
15  N              SSID 15         none      none      1
16  N              SSID 16         none      none      1
17  N              SSID 17         none      none      1
18  N              SSID 18         none      none      1
19  N              SSID 19         none      none      1
20  N              SSID 20         none      none      1
21  N              SSID 21         none      none      1
22  N              SSID 22         none      none      1
23  N              SSID 23         none      none      1
24  N              SSID 24         none      none      1
25  N              SSID 25         none      none      1
26  N              SSID 26         none      none      1
27  N              SSID 27         none      none      1
28  N              SSID 28         none      none      1
29  N              SSID 29         none      none      1
30  N              SSID 30         none      none      1
31  N              SSID 31         none      none      1
32  N              SSID 32         none      none      1
ProCurve(wireless-services-B) (config-wireless)#
```

show wireless wlan-statistics

This command displays the WLAN statistics.

Syntax

show wireless wlan-statistics

- **wlan-statistics** - WLAN statistics.
 - **<1-32>** - A WLAN index.
 - +**detail** - detailed WLAN statistics.

Default Setting

N/A

Command Mode

Manager Configuration Context

Global Configuration Context

Interface Configuration Context

Wireless Configuration Context

Example

```
ProCurve(wireless-services-B) (config-wireless)#show wireless wlan-statistics
***** WLAN-1 *****

stations Associated :    1      Radios active :    2

----- Traffic -----
                        Total                Rx                Tx
-----
                30s    1hr    30s    1hr    30s    1hr
Pkts per sec:    0.00  27.34  0.00  0.00  0.00  27.34 pps
Throughput:      0.00   0.01  0.00  0.00  0.00   0.01
Mbps
Avg bit speed:   0.00   0.00 Mbps
% Non-unicast pkts: 0.00  100.00

----- RF Status-----
                        30s    1hr
Avg station signal:    0.00  0.00 dBm
Avg station noise:     0.00  0.00 dBm
Avg station SNR(dB):   0.00  0.00

----- Errors-----
                        30s    1hr
Avg number of retries: 0.00  0.00
% gave up pkts:        0.00  0.00
% Non-decryptable pkts: 0.00  0.00
```

Support Commands

These commands are common commands used for advanced support duties in all contexts.

| Command | Function | Page |
|---|--|-------|
| Support Commands (All Context) | | |
| support clear (all cores dumps panics pm) | Displays command history for switch. | A-131 |
| support copy tech-support URL | Displays resets the functions. | A-131 |
| [no] support diag (enable period) | (Negate) Configures diagnostics. | A-132 |
| [no] support diag shell | (Negate) Provides diagnostic shell access. | A-133 |
| support kill session <1-16> | Kills specified session. | A-133 |
| [no] support pm (max-sys-restarts sys-restart) | (Negate) Displays information about processes controlled by Process Monitor. | A-134 |
| [no] support prompt crash-info (crash-info) | (Negate) Enables crash-info prompt. | A-134 |
| support rp force-dump | Configures radio-port serviceability parameters. | A-135 |
| support save-cli | Saves CLI tree for all modes in HTML format. | A-135 |
| [no] support set (command-history reboot-history upgrade-history) | (Negate) Sets size of history. | A-136 |
| support show (chassis cli command-history cpu crash-info diag info last-passwd pm process reboot-history rp sessions startup-log temperature upgrade-history) | Displays show commands. | A-136 |
| support start-shell | Starts a shell. | A-139 |
| support terminal (no) monitor | (Negate) Copies debug output to the current terminal line. | A-139 |
| support tethereal LINE | Dumps and analyzes network traffic. | A-140 |
| [no] support wireless (rate-scale spectrum-management tkip-countermeasures) | Negates / Sets wireless parameters. See Support Commands (Wireless) | A-141 |

ProCurve Wireless Services xl Module Command Line Reference
Support Commands

| Command | Function | Page |
|--|--|-------------|
| Support Commands (Wireless) | | |
| [no]support wireless dump-core | Creates a core file of the ccsrvr process. | A-141 |
| [no] support wireless dump-scale | Creates a ccsrvr.dump file in nvram with internal state information. | A-141 |
| [no]support wireless rate-scale | Enables wireless rate scaling (default) | A-142 |
| [no] support wireless spectrum-management | Enables 802.11h+d spectrum management on all 802.11a wireless lans (default) | A-142 |
| [no] support wireless tkip-countermeasures | Enables countermeasures on all tkip-enabled wireless lans (default) | A-143 |

Support Commands (All Contexts)

This section details the support commands available to all contexts.

support clear

This command resets the functions.

Syntax

support clear (all | cores | dumps | panics | pm)

- **all** - Removes all core, dump, panic, and pm files.
- **cores** - Removes all core files.
- **dumps** - Removes all dump files.
- **panics** - Removes all kernel panic files.
- **pm** - Process Monitor
 - **statistics** - Heartbeat counters and restarts.
 - **system-restart-count** - Number of times that PM restarted the system.

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #support clear cores
ProCurve (wireless-services-B) #
```

support copy

This command copies from one file to another.

Syntax

support copy tech-support URL

- **tech-support** - Copy extensive system information useful to technical support for troubleshooting a problem.
 - URL - URL to which to copy.

URLs: tftp://<hostname or IP>/path/file

ftp://<user>:<passwd>@<hostname or IP>/path/file

scp://<user>@<hostname or IP>/path/file

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve(wireless-services-B)#support copy tech-support  
tftp://192.168.1.10/testfile  
ProCurve(wireless-services-B)#
```

support diag

This command configures diagnostics. The no command negates the diagnostics.

Syntax

support diag (enable | period)

- **enable** - Enable in-service diagnostics.
- **period** - Set diagnostic period.
 - **<100-30000>** - Diagnostic period, default 1000.

Default Setting

Diagnostic Period: 1000

Command Mode

Manager

Example

```
ProCurve(wireless-services-B)#support diag enable  
ProCurve(wireless-services-B)#
```

support diag-shell

This command provides diagnostic shell access. The no command negates the shell access.

Syntax

support diag-shell

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #support diag-shell  
  
Diagnostic shell started for testing  
  
diag >
```

support kill

This command kills specified session.

Syntax

support kill session

- **session** - Active session number.
 - **<1-16>** - Session ID.

Default Setting

N/A

Command Mode

Manager

support pm

This command supports the process monitor. The no command negates the process configuration.

Syntax

support pm (max-sys-restarts | sys-restart)

- **max-sys-restarts** - Maximum number of times PM will restart the system because of failure.
 - **<1-5>** - Number of system restarts.
- **sys-restart** - Enable PM to restart the system when a process fails.

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #support pm sys-restart
ProCurve (wireless-services-B) #
```

support prompt

This command enables the crash-info prompt. The no command negates the enabling of the crash-info prompt.

Syntax

support prompt (crash-info)

- **crash-info** - Enables crash-info prompt.

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #support prompt crash-info
ProCurve (wireless-services-B) #
```

support rp

This command configures radio-port serviceability parameters.

Syntax

support rp (force-dump)

- **force-dump** - Trigger the radio port to send a crash dump to the blade.

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B)#support rp force-dump  
ProCurve (wireless-services-B)#
```

support save cli-tree

This command saves cli tree for all modes in HTML format.

Syntax

support save cli-tree

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B)#support save cli-tree  
CLI command tree is saved as clitree.html.  
This tree can be viewed via web at http://<ipaddr>/cli/  
clitree.html  
ProCurve (wireless-services-B)#
```

support set

This command sets service parameters.

Syntax

support set (command-history | reboot-history | upgrade-history)

- **command-history** - Set size of command history. Default: 200.
 - **<10-300>** - History size.
- **reboot-history** - Set size of reboot history. Default: 50.
 - **<10-100>** - History size.
- **upgrade-history** - Set size of upgrade history. Default: 50.
 - **<10-100>** - History size.

Default Setting

command-history (200), reboot-history (50), and upgrade-history (50)

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #support set command-history
100
ProCurve (wireless-services-B) #
```

support show

This command shows running system information.

Syntax

support show (chassis | cli | command-history | cpu | crash-info | diag | info | last-passwd | pm | process | reboot-history | rp | sessions | startup-log | temperature | upgrade-history |)

- **chassis**- Chassis Details.
- **cli**- Shows CLI tree of current mode.
- **command-history** - Displays command (except show commands) history.
- **cpu** - Display system load.
- **crash-info**- Displays information about core, panic and AP dump files.
 - **PANIC_FILENAME** - Show contents of specified kernel panic file.
- **diag** - Diagnostics.
 - **hardware** - Shows the system hardware configuration.

- **period** - Shows the period (ms) for the in service diagnostics.
- **stats** - Shows the curent diagnostics statistics.
- **info** - Shows snapshot of available support information.
- **last-passwd** - Displays last password used to enter shell.
- **pm** - Process Monitor.
 - **history** - States changes for a process, the time they happened and the events that triggered them.
 - +**WORD** - Process name.
 - +**all** - All processes.
- **process** - Displays process activity in real time.
- **reboot-history** - Shows reboot history.
- **rp**- Radio-port serviceability parameters.
 - **adopt-history** - Radio-port adopt-history.
 - +**XX-XX-XX-XX-XX-XX** - Radio-port MAC.
- **sessions** - Displays current active open connections.
- **startup-log** - Shows startup log.
- **temperature** - Displays CPU temperature.
- **upgrade-history** - Shows upgrade history

Command Mode

N/A

Command Mode

Manager

Examples

```
ProCurve(wireless-services-B)#support show command-history
Configured size of command history is 100
  Date & Time      User  Location  Command
=====
Feb 27 15:17:24 2006  0      vty 130    support set command-history 100
Feb 27 15:08:47 2006  0      vty 131    wireless
Feb 27 15:08:47 2006  0      vty 131    config t
Feb 27 15:08:47 2006  0      vty 131    interface eth0
Feb 27 15:08:47 2006  0      vty 131    config t
Feb 27 15:08:47 2006  0      vty 131    config t
Feb 27 15:02:25 2006  0      vty 130    support rp force-dump
Feb 27 14:59:01 2006  0      vty 130    support prompt crash-info
Feb 27 14:55:02 2006  0      vty 130    support pm sys-restart
Feb 27 14:37:54 2006  0      vty 131    support diag enable
```

ProCurve Wireless Services xl Module Command Line Reference
Support Commands (All Contexts)

```

ProCurve(wireless-services-B)#support show info
4.0M out of 4.0M available for logs.
6.7M out of 8.2M available for history.
3.5M out of 4.8M available for crashinfo.
List of Files:
/flash/crashinfo/ccsrvr.dump      0      Nov 1  09:57
/var/log/messages.log             0      Feb 27 09:09
/var/log/startup.log              11.2k  Feb 27 09:09
/var2/history/command.history     834    Feb 27 15:17
/var2/history/reboot.history      3.4k   Feb 27 09:09
/var2/history/upgrade.history     1.6k   Nov 22 15:18
Please export these files or delete them for more space.
ProCurve(wireless-services-B)#support show rp adopt-history
      AP MAC                Timestamp                Event                Reason
=====
00-14-C2-A0-0B-05      Oct 19 10:19:22 2005      adoption            NULL
00-14-C2-A0-0B-05      Nov 22 17:38:20 2005      adoption            NULL
00-14-C2-A0-0B-05      Nov 22 15:26:18 2005      adoption            NULL
00-14-C2-A0-0B-05      Nov 22 08:49:42 2005      adoption            NULL
00-14-C2-A0-0B-05      Nov 22 08:08:51 2005      adoption            NULL
ProCurve(wireless-services-B)#support show temperature
Value of temperature in degree C : 36
ProCurve(wireless-services-B)#support show upgrade-history
Configured size of upgrade history is 50
      Date & Time                Old Version                New Version                Status
=====
Nov 22 15:17:32 2005 WS.01.XX.0551Swami~ WS.01.XX.0551Swami Successful
Nov 21 13:09:25 2005 WS.01.XX.0551n WS.01.XX.0551Swami Successful
Nov 21 13:09:05 2005 WS.01.XX.0551n WS.01.XX.0551n Unable to get update file.
td
Nov 18 11:30:22 2005 WS.01.XX.0548n~ WS.01.XX.0551n Successful
Nov 18 11:28:29 2005 WS.01.XX.0548n~ WS.01.XX.0548n~ Unable to get update
file.d
Nov 17 15:27:19 2005 WS.01.XX.0548n~ WS.01.XX.0548n Successful
Nov 17 15:17:28 2005 WS.01.XX.0548n~ WS.01.XX.0548n Successful
Nov 15 16:43:22 2005 WS.01.XX.0548n~ WS.01.XX.0548n Successful
Nov 15 15:31:05 2005 WS.01.XX.0526n WS.01.XX.0548n Successful
Nov 15 15:26:06 2005 WS.01.XX.0526n WS.01.XX.0526n Unable to get update file.
te
Nov 02 17:15:16 2005 WS.01.XX.0526jim WS.01.XX.0526n Successful
Nov 02 12:16:54 2005 WS.01.XX.0526n WS.01.XX.0526jim Successful
Oct 31 10:42:48 2005 WS.01.XX.0505j WS.01.XX.0526n Successful
Oct 31 09:58:44 2005 WS.01.XX.0505j WS.01.XX.0505j Bad file, image header
contas
-- MORE --, next page: Space, next line: Enter, quit: Control-C

```

support start-shell

This command provides access into the shell.

Syntax

support start-shell

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #support start-shell
Password:
ProCurve (wireless-services-B) #
```

support terminal

This command sets terminal line parameters.

Syntax

support terminal

- monitor - copy debug output to the current terminal line.
- no - negate a command or set its defaults.
 - monitor - copy debug output to the current terminal line.

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) #support terminal no monitor
ProCurve (wireless-services-B) #
```

support tethereal

This command dumps and analyzes network traffic.

Syntax

support tethereal

- **LINE** - tethereal options in the format.
 - [-L (list data link types supported)]
 - [V (print detailed packet)]
 - [x (hex dump of packet)]
 - [p (no promiscuous mode for interface)]
 - [n (disable name resolution)]
 - [-c <count>]
 - [-h (detailed help)]
 - [-E (to capture ESPD)]
 - [-e (capture nonEspd packets)]
 - [-f <capture filter expression in format "xx xx xx">]
 - [-i <interface on which to capture packets>]
 - [-W (wisp packet only)]
 - [-s <snaplen>]
 - [-r <filename> (read contents of specified file)]
 - [-w <savefile> (save capture in specified file)]
 - [-X (for examples on tethereal capture filter)]

Default Setting

N/A

Command Mode

Manager

Example

```
ProCurve(wireless-services-B)#support tethereal -L
Data link types (use option -y to set):
EN10MB (Ethernet)  DOCSIS (Data Over Cable Service Interface
Specification)
ProCurve(wireless-services-B)#
```

Support Commands (Wireless)

This section details the support commands available for the Wireless parameters.

support wireless dump-core

This command creates a core file of the ccsrvr process.

Syntax

support wireless dump-core

Default Setting

Enabled

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) (config-wireless) #support  
wireless dump-core  
ProCurve (wireless-services-B) (config-wireless) #
```

support wireless dump-state

This command creates a ccsrvr.dump file in nvram with internal state information.

Syntax

support wireless dump-state

Default Setting

Enabled

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) (config-wireless) #support  
wireless dump-state  
ProCurve (wireless-services-B) (config-wireless) #
```

support wireless rate-scale

This command enables wireless rate scaling. The no command negates the configuration of the wireless parameters.

Syntax

support wireless rate-scale

no support wireless rate-scale

- rate-scale - Enable wireless rate scaling (default).

Default Setting

Enabled

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) (config-wireless) #support  
wireless rate-scale  
ProCurve (wireless-services-B) (config-wireless) #
```

support wireless spectrum-management

This command enables 802.11h+d spectrum management on all 802.11a wireless LANs. The no command negates the configuration of the wireless parameters.

Syntax

support wireless spectrum-management

no support wireless spectrum-management

- spectrum-management - Enable 802.11h+d spectrum management on all 802.11a wireless LANs (default).

Default Setting

Enabled

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) (config-wireless) #no support  
wireless spectrum-management  
ProCurve (wireless-services-B) (config-wireless) #
```

support wireless tkip-countermeasures

This command enables countermeasures on all tkip-enabled wireless LANs. The no command negates the configuration of the wireless parameters.

Syntax

support wireless tkip-countermeasures

no support wireless tkip-countermeasures

- tkip-countermeasures - Enable countermeasures on all tkip-enabled wireless LANs (default).

Default Setting

Enabled

Command Mode

Manager

Example

```
ProCurve (wireless-services-B) (config-wireless) #no support  
wireless tkip-countermeasures  
ProCurve (wireless-services-B) (config-wireless) #
```

